

2006 Maryland Medical Care Data Base (RX MCDB)

User's Manual

Prepared for
The Maryland Health Care Commission
(MHCC)

April 2008

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Overview

The prescription service records contained in the Pharmacy component of the MCDB are compiled from legislatively-mandated annual submissions by all private insurers doing more than \$1 million of business annually in the state of Maryland. Insurers are required to submit final bills for all services adjudicated for a sixteen-month period beginning in January and ending on April 30 of the following year. This User's Manual covers the Pharmacy component of the MCDB; the User's Manual for the Encounter and Medicare components will be delivered separately. This user's manual is written for programmers using SAS. If using other applications, refinements may be needed. The user's manual includes a SAS output generated by the Contents procedure and a codebook defining each variable's attributes as well as its frequency statistics.

List of Pharmacy Files delivered in April 2008

Included in this delivery is the 2006 Pharmacy database as well as the revised set of 2004-2005. databases. The revisions were done to facilitate a trend analysis using the same measurement. All Multum Lexicon related variables have been revised using the June 2007 version. In addition, more mail-order pharmacies were identified this year using a new list of mail-order pharmacies provided by payers. This list was also used for the 2001-2005 Revised Pharmacy database.

Brief descriptions of the Pharmacy Component files, including number of records, number of data elements (variables) and approximate physical size are summarized below. All MCDB database files are in SAS Version 9 format.

1. Full Pharmacy Files

MCDB Component	File Name (.sas7bdat)	Description	Number of Records	Number of Data Elements	Approximate Physical File Size
Pharmacy 2006	MCDBRX06	Primary source file prescription drug services for Maryland residents adjudicated between January 1, 2006 and April 30, 2007.	23,077,121	67	4.69 GB
Pharmacy 2005	MCDBRX05_V2	Revised Primary source file prescription drug services for Maryland residents adjudicated between January 1, 2005 and April 30, 2006.	23,242,247	67	4.65 GB
Pharmacy 2004	MCDBRX04_V3	Revised Primary source file prescription drug services for Maryland residents adjudicated between January 1, 2004 and April 30, 2005.	23,852,095	65	4.47 GB

2. Analysis Files

MCDB Component	File Name (.sas7bdat)	Description	Number of Records	Number of Data Elements	Approximate Physical File Size
Analysis 2006	ANALRX06	2006 Prescription drug service analysis file	14,762,898	67	3.0 GB
Analysis 2005	ANALRX05_V2	Revised 2005 Prescription drug service analysis file	14,395,254	67	2.87 GB
Analysis 2004	ANALRX04_V3	Revised 2004 Prescription drug service analysis file	14,066,510	65	2.65 GB

Please note that records used for the 2003 and 2005 Prescription Drug Use and Expenditures study can also be subset from the overall Pharmacy file using the analysis flag RF_ANAL. By the same token, records used for the 2004 mail-order analysis can be subset from the overall Pharmacy file using the mail-order analysis flag RF_MOANAL. For either case, a value of 1 for this variable means the record was included in the analysis file in the underlying year.

**2006 Maryland Medical Care Database
MCDB Pharmacy file
MCDBRX06.SAS7BDAT**

Contents Output

Data Set Name	IN1.MCDBRX06	Observations	23077121			
Member Type	DATA	Variables	67			
Engine	V9	Indexes	0			
Created	Thursday, March 27, 2008 05:15:41 PM	Observation Length	262			
Last Modified	Thursday, March 27, 2008 05:15:41 PM	Deleted Observations	0			
Protection		Compressed	BINARY			
Data Set Type		Reuse Space	NO			
Label		Point to Observations	YES			
Data Representation	WINDOWS_32	Sorted	NO			
Encoding	wlatin1 Western (Windows)					
Engine/Host Dependent Information						
Data Set Page Size		12288				
Number of Data Set Pages		410708				
Number of Data Set Repairs		0				
File Name		d:\MCDB\Pharmacy\Data\mcdbrx06.sas7bdat				
Release Created		9.0101M3				
Host Created		XP_PRO				
Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
31	APPRDATE	Num	8			FDA Approval Date
55	CHNIND	Char	1			Chain Indicator
24	DEANUM	Char	11			Practitioner DEA#
39	DRUGQTY	Num	4			Drug Quantity (No. of Units Dispensed)

40	DRUGSPL	Num	3			Drug Supply (Est. # of Supply Days)
26	DRUG_ID	Char	6	\$6.	\$6.	Multum Drug ID
47	FILLDATE	Num	8			Date Prescription Filled
9	FILLDD	Char	2			Day Prescription Filled
10	FILLMO	Char	2			Month Prescription Filled
11	FILLYR	Char	4			Year Prescription Filled
25	GB0	Char	1	\$1.	\$1.	Generic/Brand Indicator
35	MMDC	Char	5			Main Multum Drug Code
27	MULTDC1	Char	3			Multum Drug Category 1
28	MULTDC2	Char	3			Multum Drug Category 2
29	MULTDC3	Char	3			Multum Drug Category 3
30	MULTDC4	Char	3			Multum Drug Category 4
12	NCPDP	Char	7			Pharmacy Number (NCPDP)
13	NDC	Char	12			National Drug Code (NDC-11 Chars)
33	NDCLABL	Char	9			Labeler-Product Code(Chars 1-9 of NDC)
34	NDCPACK	Char	2			Package Code(Chars 10-11 of NDC)
14	PATID	Char	14			Patient ID, Encrypted
8	PIDBDG	Char	25			Unique Patient ID
41	PNUM	Char	4			Payer Unique ID
5	RAGE	Num	3			Patient Age at Service
6	RAGE1206	Num	3			Patient Age as of 12/31/2006
36	RBILL	Num	8			Billed Charge-BC (\$)
16	RBIRTHMO	Char	2			Patient Birth Month
17	RBIRTHYR	Char	4			Patient Birth Year
1	RCOVTYPE	Char	1			Coverage Type
2	RDELIVTYP	Char	1			Delivery System Type
3	RDENRDATE	Num	8	MMDDYY8.		Disenrollment Date
4	RENDATE	Num	8	MMDDYY8.		Enrollment Date

48	RF_10K	Char	1			Flag for Payment > 10K
63	RF_ANAL	Char	1			Analysis Flag(1-Analysis, 0-Exclude)
51	RF_COV17	Char	1			Medicare Coverage Flag
7	RF_DBC	Char	1			Debit/Credit Flag
66	RF_DEA	Char	1			DEA Number(1=Valid, 0=Other, 2=Blank)
62	RF_ELINK	Char	1			Pharmacy/Encounter Link Flag
21	RF_FINMS	Char	1			All 3 Financial Vars=0/Missing (1/0)
50	RF_MD	Char	1			Maryland Residency Indicator (1-MD, 0-non MD)
32	RF_MEDSUP	Char	1			Medical Supply Indicator(0=No, 1=Yes)
64	RF_MOANAL	Char	1			Mail Order Analysis Flag(1-Analysis, 0-Exclude)
45	RF_MORDER	Char	1			Mail Order Flag(0=No, 1=Yes)
42	RF_NDC	Char	1			NDC Flag
44	RF_NDRUG	Char	1			New Drug Flag
61	RF_NDUP	Char	1			Duplicate Set W/ at least One Neg. Bill
49	RF_PATID	Char	1			Patient ID Flag
22	RF_PAYMD	Char	1			Payment Category (1=<0,2=0,3=>0,4=.)
57	RF_PLINK	Char	1			Pharmacy/Provider Link Flag
53	RF_SELF	Char	1			Self Insurance Coverage Indicator
20	RF_YR07	Char	1			Prescription Filled in 2007(1:>=07 0:<07)
65	RF_YR65	Char	1			Age 65+ Flag(0:<65, 1:>=65, 2:Missing)
43	RMSCAT	Char	5			Medical Supply Category
54	RN_ZIP_S	Char	5			Adjusted Pharmacy Zip Code (Using NACDS data)
38	RPATLIAB	Num	8			Patient Liability-PL (\$)
18	RPATZIP	Char	5			Patient Residence ZIP Code
46	RPAYMENT	Num	8			Payment = Sum(RA,PL)
52	RPHARMCTY	Char	3			Pharmacy County
56	RPHARMGRP	Char	1			Pharmacy Group
37	RREIMB	Num	8			Reimbursement Amount-RA (\$)

67	RSCRIPT	Num	3			Number of Adjusted or 30-day Script
19	RSEX	Char	1			Patient Sex
58	RSPECL1	Char	3			Practitioner/Supplier Specialty-1
59	RSPECL2	Char	3			Practitioner/Supplier Specialty-2
60	RSPECL3	Char	3			Practitioner/Supplier Specialty-3
15	RZIP_S	Char	5			Pharmacy ZIP Code
23	R_NAGE1206	Num	3			Patient Age as of 12/31/2006 (Not Rounded)

**2006 Maryland Medical Care Database
MCDB Pharmacy File
MCDBRX06.SAS7BDAT
Codebook**

APPRDATE FDA Approval Date		
Type: Date	Length: 8	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Date Components Incomplete	803,622
Reported	Date Components Complete	22,273,499
Notes: This variable represents the drug approval date by FDA.		

CHNIND Chain Indicator		
Type: Character	Length: 1	Variable Source: Assigned
Value	Description	Frequency
A	In Associations, Like Epic	441,661
C	Chain Drug Stores	8,668,858
D	Mass Merchants	1,697,850
G	Super Markets	5,087,464
I	Independent Drug Stores	2,489,037
M	Mail Order	1,345,584
O	Other Non MD Pharmacies	998,744
U	Institution/Practice Based Pharmacies	1,967,209
X	Other MD Pharmacy	380,714
Notes: This variable represents a chain indicator. Non-Maryland pharmacies category does not include mail-order pharmacies. Other Maryland pharmacies are pharmacies located in Maryland for which there is no known category		

DEANUM Practitioner DEA#		
Type: Character	Length: 11	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	74,111
Reported	Value Not Missing	23,003,010
Notes: This variable represents Drug Enforcement Agency number (DEA #). The DEA # is assigned to providers registered under the Controlled Substance Act by the Drug Enforcement Administration of the U.S. Department of Justice. DEA number is used as a unique practitioner identifier in the Pharmacy Database.		

DRUG_ID Multum Drug ID		
Type: Character	Length: 6	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Value Missing	486,531
Reported	Value Not Missing	22,590,590
Notes: This variable represents the Drug Identification Number. Each code is written in the form "d#####" and identifies a unique generic drug. The Drug Identification Number is missing either because it is unknown or the product is a medical supply.		

DRUGQTY Drug Quantity (No. of Units Dispensed)		
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Type: Numeric Length: 4 Variable Source: Payer-Submitted		
Value	Description	Frequency
.		30
< 0	< 0	23,592
0-Jan	0-Jan	45,930
31 - 60	31 - 60	4,022,377
39477	39477	12,707,670
61 - 90	61 - 90	3,548,771
90+	> 90	2,728,751
Notes: This variable represents the number of units of drug dispensed.		

DRUGSPL Drug Supply (Est. # of Supply Days)		
Type: Numeric Length: 3 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	23,609
0	0	9,289
31 - 60	31 - 60	1,208,861
39477	39477	18,002,315
61 - 90	61 - 90	3,783,313
90+	> 90	49,734
Notes: This variable represents the estimated number of days of dispensed supply.		

FILLDATE Date Prescription Filled		
Type: Date Length: 8 Variable Source: Calculated		
Value	Description	Frequency
Reported	Date Components Complete	23,077,121
Notes: This variable represents the date a prescription was filled.		

FILLDD Day Prescription Filled		
Type: Character Length: 2 Variable Source: Payer-Submitted		
Value	Description	Frequency
01 thru 31	Day = 01-31	23,077,121
Notes: This variable represents the day a prescription was filled.		

FILLMO Month Prescription Filled		
Type: Character Length: 2 Variable Source: Payer-Submitted		
Value	Description	Frequency
01 thru 12	Month = 01-12	23,077,121
Notes: This variable represents the month a prescription was filled.		

FILLYR Year Prescription Filled		
Type: Character Length: 4 Variable Source: Payer-Submitted		
Value	Description	Frequency
2006	Year = 2006	17,443,626
2007	Year = 2007	5,633,495
Notes: This variable represents the year a prescription was filled. Year 2006 includes prescription drugs filled for the whole		

year but Year 2007 includes only prescription drugs filled from January 1, 2007 through April 30, 2007

GB0

Generic/Brand Indicator

Type: Character		Length: 1	Variable Source: Multum Lexicon
Value	Description	Frequency	
G	Generic	12,342,213	
Missing	Unknown	486,531	
N	Brand	10,248,377	

Notes: This variable designates the drug status as brand or generic. The generic/brand indicator is missing either because it is unknown or the product is a medical supply.

MMDC

Main Multum Drug Code

Type: Character		Length: 5	Variable Source: Multum Lexicon
Value	Description	Frequency	
Missing	Unknown	486,531	
Reported	Value Not Missing	22,590,590	

Notes: This variable represents the main Multum drug code (MMDC). Each code is a unique combination of active ingredient(s), strength, route of administration, and dosage form. This variable is used to identify drugs that share the above 4 characteristics across different manufacturers and labels. The main Multum drug code is missing either because it is unknown or the product is a medical supply

MULTDC1

Multum Drug Category 1

Type: Character		Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency	
10	Leprostatics	3,304	
100	Miscellaneous Hormones	49,081	
102	Contraceptives	884,675	
103	Thyroid Drugs	515,986	
104	Immunosuppressive Agents	36,966	
106	Antidotes	3,659	
107	Chelating Agents	4,082	
108	Cholinergic Muscle Stimulants	1,960	
109	Local Injectable Anesthetics	6	
110	Miscellaneous Uncategorized Agents	17,623	
111	Psoralens	551	
116	Iron Products	116,551	
117	Minerals And Electrolytes	159,428	
118	Oral Nutritional Supplements	218	
119	Vitamins	110,801	
12	Miscellaneous Antibiotics	107,452	
120	Vitamin And Mineral Combinations	44,332	
121	Intravenous Nutritional Products	78	
123	Antihistamines	470,682	
124	Antitussives	34,078	
126	Methylxanthines	8,737	
128	Expectorants	155	
129	Miscellaneous Respiratory Agents	819	
131	Antiasthmatic Combinations	8	
132	Upper Respiratory Combinations	424,230	
134	Anorectal Preparations	8,562	

135	Antiseptic And Germicides	23,630
137	Topical Anti-Infectives	27,672
138	Topical Steroids	339,373
139	Topical Anesthetics	47,285
14	Quinolones	312,716
140	Miscellaneous Topical Agents	42,372
141	Topical Steroids With Anti-Infectives	53,206
143	Topical Acne Agents	221,693
144	Topical Antipsoriatics	17,453
146	Mouth And Throat Products	18,510
15	Sulfonamides	7,126
150	Sterile Irrigating Solutions	135
154	Loop Diuretics	138,394
155	Potassium-Sparing Diuretics	33,795
156	Thiazide Diuretics	343,250
157	Carbonic Anhydrase Inhibitors	4,464
159	First Generation Cephalosporins	128,859
16	Tetracyclines	176,883
160	Second Generation Cephalosporins	53,107
161	Third Generation Cephalosporins	93,682
162	Fourth Generation Cephalosporins	4
163	Ophthalmic Anti-Infectives	131,156
164	Ophthalmic Glaucoma Agents	119,567
165	Ophthalmic Steroids	28,808
166	Ophthalmic Steroids With Anti-Infectives	26,827
167	Ophthalmic Anti-Inflammatory Agents	27,125
168	Ophthalmic Lubricants And Irrigations	41
169	Miscellaneous Ophthalmic Agents	10
17	Urinary Anti-Infectives	59,139
170	Otic Anti-Infectives	12,619
171	Otic Steroids With Anti-Infectives	43,045
172	Miscellaneous Otic Agents	8,868
173	HMG-CoA Reductase Inhibitors	972,395
175	Protease Inhibitors	18,682
176	NRTIs	13,756
177	Miscellaneous Antivirals	2,393
178	Skeletal Muscle Relaxants	257,173
179	Skeletal Muscle Relaxant Combinations	1,441
18	Aminoglycosides	2,276
180	Adrenergic Bronchodilators	347,332
181	Bronchodilator Combinations	170,215
182	Androgens And Anabolic Steroids	21,337
183	Estrogens	153,249
184	Gonadotropins	9,287
185	Progestins	57,682
186	Sex Hormone Combinations	45,514
187	Miscellaneous Sex Hormones	7,057
191	Narcotic Analgesic Combinations	930,940
192	Antirheumatics	45,065
193	Antimigraine Agents	129,481
194	Antigout Agents	79,977
195	5HT3 Receptor Antagonists	21,277
196	Phenothiazine Antiemetics	18,619
197	Anticholinergic Antiemetics	6,677
198	Miscellaneous Antiemetics	5,125
199	Hydantoin Anticonvulsants	23,286

2	Amebicides	67,803
200	Succinimide Anticonvulsants	652
204	Miscellaneous Anticonvulsants	287,642
205	Anticholinergic Antiparkinson Agents	7,614
208	SSRI Antidepressants	815,787
209	Tricyclic Antidepressants	99,019
21	Alkylating Agents	1,823
210	Phenothiazine Antipsychotics	2,564
211	Platelet Aggregation Inhibitors	117,835
213	Sulfonylureas	204,122
214	Non-Sulfonylureas	293,065
215	Insulin	186,348
216	Alpha-Glucosidase Inhibitors	2,229
217	Bisphosphonates	187,266
219	Nutraceutical Products	11,358
22	Antibiotics/Antineoplastics	10
222	Penicillinase Resistant Penicillins	3,848
223	Antipseudomonal Penicillins	34
224	Aminopenicillins	446,960
225	Beta-Lactamase Inhibitors	221,763
226	Natural Penicillins	78,804
227	NNRTIs	9,429
228	Adamantane Antivirals	3,446
229	Purine Nucleosides	154,243
23	Antimetabolites	39,980
231	Nicotinic Acid Derivatives	3,204
232	Rifamycin Derivatives	2,451
233	Streptomyces Derivatives	3
234	Miscellaneous Antituberculosis Agents	396
235	Polyenes	111
236	Azole Antifungals	115,526
237	Miscellaneous Antifungals	34,047
238	Aminoquinolones	15,547
239	Miscellaneous Antimalarials	56
24	Hormones/Antineoplastics	91,584
240	Lincomycin Derivatives	57,639
241	Fibric Acid Derivatives	108,039
243	Leukotriene Modifiers	194,809
244	Nasal Lubricants And Irrigations	4
245	Nasal Steroids	387,965
246	Nasal Antihistamines And Decongestants	30,067
248	Topical Emollients	13,415
25	Miscellaneous Antineoplastics	11,364
250	Monoamine Oxidase Inhibitors	1,723
252	Bile Acid Sequestrants	18,270
253	Anorexiants	584
256	Interferons	10,986
257	Monoclonal Antibodies	8,086
26	Mitotic Inhibitors	119
261	Heparins	11,892
262	Coumarins And Indandiones	103,565
263	Impotence Agents	160,258
264	Urinary Antispasmodics	56,933
265	Urinary Ph Modifiers	4,023
266	Miscellaneous Genitourinary Tract Agents	28,208
267	Ophthalmic Antihistamines And Decongestants	57,692

268	Vaginal Anti-Infectives	32,063
269	Miscellaneous Vaginal Agents	89
270	Antipsoriatics	1,101
271	Thiazolidinediones	158,710
272	Proton Pump Inhibitors	631,524
274	Cardioselective Beta Blockers	596,363
275	Non-Cardioselective Beta Blockers	126,106
276	Dopaminergic Antiparkinsonism Agents	36,312
277	5-Aminosalicylates	36,613
278	Cox-2 Inhibitors	61,631
279	Gonadotropin Releasing Hormones	41
280	Thioxanthenes	605
281	Neuraminidase Inhibitors	10,338
282	Meglitinides	10,705
284	Viscosupplementation Agents	419
286	Mydriatics	3,136
287	Ophthalmic Anesthetics	12
288	5-Alpha-Reductase Inhibitors	29,731
290	Topical Antibiotics	60,747
291	Topical Antivirals	16,370
292	Topical Antifungals	92,814
293	Glucose Elevating Agents	8
295	Growth Hormones	4,058
296	Inhaled Corticosteroids	104,452
298	Mast Cell Stabilizers	1,723
299	Anticholinergic Bronchodilators	32,395
3	Anthelmintics	3,574
300	Corticotropin	30
301	Glucocorticoids	296,090
302	Mineralocorticoids	3,581
303	Agents For Pulmonary Hypertension	410
304	Macrolides	459,435
305	Ketolides	17,165
306	Phenylpiperazine Antidepressants	74,162
307	Tetracyclic Antidepressants	21,876
308	Ssri Antidepressants	200,117
309	Miscellaneous Antidiabetic Agents	22,731
31	Bacterial Vaccines	62
311	Dibenzazepine Anticonvulsants	44,743
312	Cholinergic Agonists	2,771
313	Cholinesterase Inhibitors	15,653
314	Antidiabetic Combinations	67,783
316	Cholesterol Absorption Inhibitors	98,106
317	Antihyperlipidemic Combinations	131,597
318	Insulin-Like Growth Factor	11
32	Colony Stimulating Factors	2,478
320	smoking cessation agents	21,283
323	antineoplastic monoclonal antibodies	17
324	antineoplastic interferons	350
327	antiviral combinations	18,979
328	antimalarial combinations	5,149
33	Immune Globulins	54
330	antiviral interferons	4,665
333	iodinated contrast media	3
34	In Vivo Diagnostic Biologicals	1
340	aldosterone receptor antagonists	1,678

341	atypical antipsychotics	114,726
342	renin inhibitors	31
343	tyrosine kinase inhibitors	3,098
36	Recombinant Human Erythropoietins	8,500
37	Toxoids	5
38	Viral Vaccines	81
39	Miscellaneous Biologicals	3
41	Agents For Hypertensive Emergencies	32
42	Angiotensin Converting Enzyme Inhibitors	617,617
43	Antiadrenergic Agents, Peripherally Acting	125,884
44	Antiadrenergic Agents, Centrally Acting	67,419
45	Antianginal Agents	48,092
46	Antiarrhythmic Agents	19,477
48	Calcium Channel Blocking Agents	482,576
50	Inotropic Agents	30,800
51	Miscellaneous Cardiovascular Agents	6,459
52	Peripheral Vasodilators	243
53	Vasodilators	15,663
54	Vasopressors	20,684
55	Antihypertensive Combinations	744,393
56	Angiotensin II Inhibitors	296,400
59	Miscellaneous Analgesics	75,348
60	Narcotic Analgesics	213,593
61	Nonsteroidal Anti-Inflammatory Agents	629,386
62	Salicylates	3,237
63	Analgesic Combinations	71,506
68	Barbiturates	6,056
69	Benzodiazepines	475,175
70	Miscellaneous Anxiolytics, Sedatives And Hypnotics	341,209
71	CNS Stimulants	358,386
72	General Anesthetics	6
76	Miscellaneous Antidepressants	223,930
77	Miscellaneous Antipsychotic Agents	34,826
79	Psychotherapeutic Combinations	2,679
8	Carbapenems	11
80	Miscellaneous Central Nervous System Agents	6,693
85	Miscellaneous Coagulation Modifiers	3,039
88	Antacids	103
89	Anticholinergics/Antispasmodics	72,260
90	Antidiarrheals	13,912
91	Digestive Enzymes	5,078
92	Gallstone Solubilizing Agents	5,678
93	GI Stimulants	30,729
94	H2 Antagonists	64,310
95	Laxatives	87,580
96	Miscellaneous GI Agents	43,773
Missing	Unknown	486,531

Notes: This variable contains a therapeutic/chemical category for a specific drug. Each drug belongs up to 4 categories. This is category no. 1.

MULTDC2

Multum Drug Category 2

Type: Character	Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency
102	Contraceptives	47,376

109	Local Injectable Anesthetics	75
110	Miscellaneous Uncategorized Agents	10,839
117	Minerals And Electrolytes	108
12	Miscellaneous Antibiotics	64,695
120	Vitamin And Mineral Combinations	116,405
123	Antihistamines	41,331
124	Antitussives	703
127	Decongestants	2
129	Miscellaneous Respiratory Agents	1,426
140	Miscellaneous Topical Agents	20,682
146	Mouth And Throat Products	21,796
15	Sulfonamides	101,577
17	Urinary Anti-Infectives	3
174	Miscellaneous Antihyperlipidemic Agents	27,064
179	Skeletal Muscle Relaxant Combinations	63
18	Aminoglycosides	33
182	Androgens And Anabolic Steroids	67
185	Progestins	11,211
186	Sex Hormone Combinations	202,572
192	Antirheumatics	38,687
196	Phenothiazine Antiemetics	59,683
197	Anticholinergic Antiemetics	7,607
198	Miscellaneous Antiemetics	30,729
201	Barbiturate Anticonvulsants	5,892
203	Benzodiazepine Anticonvulsants	268,136
204	Miscellaneous Anticonvulsants	4,055
209	Tricyclic Antidepressants	6,907
210	Phenothiazine Antipsychotics	18,618
211	Platelet Aggregation Inhibitors	5,160
217	Bisphosphonates	1,333
235	Polyenes	13,954
236	Azole Antifungals	4,037
238	Aminoquinolones	28,959
239	Miscellaneous Antimalarials	106,223
248	Topical Emollients	1,474
25	Miscellaneous Antineoplastics	1,336
253	Anorexiant	5,050
263	Impotence Agents	2,406
264	Urinary Antispasmodics	10,887
266	Miscellaneous Genitourinary Tract Agents	13
268	Vaginal Anti-Infectives	93,248
269	Miscellaneous Vaginal Agents	33,156
272	Proton Pump Inhibitors	573
276	Dopaminergic Antiparkinsonism Agents	4,229
277	5-Aminosalicylates	6,993
286	Mydriatics	44
289	Antihyperuricemic Agents	51,950
290	Topical Antibiotics	6,964
292	Topical Antifungals	628
293	Glucose Elevating Agents	2,292
297	Mucolytics	715
301	Glucocorticoids	36,059
303	Agents For Pulmonary Hypertension	94,972
317	Antihyperlipidemic Combinations	20,078
320	smoking cessation agents	223,930
340	aldosterone receptor antagonists	32,929

53	Vasodilators	24,370
Missing	Unknown	21,154,817

Notes: This variable contains a therapeutic/chemical category for a specific drug. Each drug belongs up to 4 categories. This is category no. 2.

MULTDC3 **Multum Drug Category 3**

Type: Character		Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency	
180	Adrenergic Bronchodilators	20,682	
185	Progestins	47,376	
197	Anticholinergic Antiemetics	259	
204	Miscellaneous Anticonvulsants	6	
265	Urinary Ph Modifiers	95	
270	Antipsoriatics	28,844	
Missing	Unknown	22,979,859	

Notes: This variable contains a therapeutic/chemical category for a specific drug. Each drug belongs up to 4 categories. This is category no. 3.

MULTDC4 **Multum Drug Category 4**

Type: Character		Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency	
205	Anticholinergic Antiparkinson Agents	259	
Missing	Unknown	23,076,862	

Notes: This variable contains a therapeutic/chemical category for a specific drug. Each drug belongs up to 4 categories. This is category no. 4.

NCPDP **Pharmacy Number (NCPDP)**

Type: Character		Length: 7	Variable Source: Payer-Submitted
Value	Description	Frequency	
Missing	Value Missing	681	
Reported	Value Not Missing	23,076,440	

Notes: This variable contains a 7-digit number assigned by National Council for prescription Drug program. This number identifies dispensing pharmacies. This variable is a unique identifier of a pharmacy. It is also used to identify mail-order pharmacy (see RF_MORDER) , chain indicator (see CHNIND), and pharmacy group (see PHARMGRP).

NDC **National Drug Code (NDC-11 Chars)**

Type: Character		Length: 12	Variable Source: Payer-Submitted
Value	Description	Frequency	
Missing	Value Missing	511	
Reported	Value Not Missing	23,076,610	

Notes: This variable contains the National Drug Code (NDC). The NDC is an 11-digit that identifies each marketed drug/product (including medical supplies). The first 5 numbers identify the manufacturer of a product. The second 4 numbers identify the product, and the last 2 numbers identify the package size of that product.

NDCLABL **Labeler-Product Code(Chars 1-9 of NDC)**

Type: Character		Length: 9	Variable Source: Assigned
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Value	Description	Frequency
Missing	Value Missing	93,444
Reported	Value Not Missing	22,983,677

Notes: This variable contains the first 9 of the 11 digits of the NDC code. The first 5 numbers identify the manufacturer of a product and the second 4 numbers identify the product.

NDCPACK **Package Code(Chars 10-11 of NDC)**

Type: Character	Length: 2	Variable Source: Assigned
Value	Description	Frequency
Missing	Value Missing	525,579
Reported	Value Not Missing	22,551,542

Notes: This variable contains the last 2 of the 11 digits of the NDC code or package code.

PATID **Patient ID, Encrypted**

Type: Character	Length: 14	Variable Source: Assigned
Value	Description	Frequency
Missing	Value Missing	230
Reported	Value Not Missing	23,076,891

Notes: This variable represents the encrypted patient ID. The patient ID is assigned by a payer. Some payers assign the same patient ID to all members of a policy, making the ID not unique. For unique patient ID, see PIDBDG.

PIDBDG **Unique Patient ID**

Type: Character	Length: 25	Variable Source: Assigned
Value	Description	Frequency
Missing	Value Missing	230
Reported	Value Not Missing	23,076,891

Notes: Some payers assign the same Patient ID to all members of a policy, making the ID not unique. PIDBDG is a unique patient identifier consisting of encrypted patient ID, Year of Birth, Month of Birth and Gender.

PNUM **Payer Unique ID**

Type: Character	Length: 4	Variable Source: Assigned
Value	Description	Frequency
P020	Aetna Life & Health Insurance Co.	1,348,142
P030	Aetna U.S. Healthcare	1,667,009
P070	American Republic Insurance Co.	8,002
P130	CareFirst BlueChoice, Inc.	6,212,172
P131	CareFirst of Maryland, Inc.	2,495,115
P160	CIGNA Healthcare Mid-Atlantic, Inc.	1,254,002
P280	Time Insurance Co.	17,002
P320	Golden Rule Insurance Co.	61,915
P325	Graphic Arts Benefit Corporation	41,833
P330	Great-West Life & Annuity Insurance Co.	191,125
P350	Guardian Life Insurance Co. of America	192,256
P471	Unicare Life & Health Insurance Co.	128,056
P480	Kaiser Foundation Health Plan of Mid-Atlantic	2,741,080
P500	MAMSI Life and Health Insurance Co.	793,031
P510	Maryland Fidelity Insurance Co.	281
P520	MD-Individual Practice Association, Inc.	1,462,989

P530	MEGA Life & Health Insurance Co.	82,342
P620	Optimum Choice, Inc.	2,382,713
P680	Coventry Healthcare of Delaware, Inc.	782,930
P760	State Farm Mutual Automobile Insurance Co.	50,195
P820	United Healthcare Insurance Co.	1,037,812
P830	Trustmark Insurance Co.	957
P850	Union Labor Life Insurance Co.	56,068
P870	United Healthcare of the Mid-Atlantic, Inc.	70,094

Notes: This variable represents the payer's unique identifier. This identifier is assigned by MHCC.

R_NAGE1206

Patient Age as of 12/31/2006 (Not Rounded)

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	1,866,130
18 - 64	18 - 64	17,688,241
65 - 110	65 - 110	3,520,927
Missing	Missing	1,823

Notes: This variable represents the non-rounded age of a patient as of December 31, 2005. Ages calculated to be less than 0 or greater than 110 have been set to missing. For rounded age, see RAGE1205.

RAGE

Patient Age at Service

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	2,009,587
18 - 64	18 - 64	17,906,327
65 - 110	65 - 110	3,161,203
Missing	Missing	4

Notes: This variable represents the rounded age of a patient at the time of prescription fill-up. Ages calculated to be less than 0 or greater than 110 have been set to missing.

RAGE1206

Patient Age as of 12/31/2006

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	1,953,120
18 - 64	18 - 64	17,833,510
65 - 110	65 - 110	3,290,489
Missing	Missing	2

Notes: This variable represents the rounded age of a patient as of December 31, 2005. Ages calculated to be less than 0 or greater than 110 have been set to missing. For the non-rounded age, see R_NAGE1205.

RBILL

Billed Charge-BC (\$)

Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	114,730
> 500	> 500	432,642
0	0	716
101 - 500	101 - 500	6,504,388
26 - 50	26 - 50	3,950,238

39457	39457	2,532,329
39777	39777	4,236,200
51 - 100	51 - 100	5,305,878

Notes: Billed charge is the drug retail amount (including dispensing fees and administrative costs).

RBIRTHMO

Patient Birth Month

Type: Character		Length: 2	Variable Source: Payer-Submitted
Value	Description	Frequency	
01 thru 12	Month = 01-12	23,077,121	

Notes: This variable contains the patient's birth month.

RBIRTHYR

Patient Birth Year

Type: Character		Length: 4	Variable Source: Payer-Submitted
Value	Description	Frequency	
1890-1942	Year = 1890-1942	3,520,927	
1943-1989	Year = 1943-1989	17,688,241	
1990-2006	Year = 1990-2006	1,866,130	
2007	Year = 2007	1,821	
9999	Year = 9999	2	

Notes: This variable contains the patient's birth year.

RCOVTYPE

Coverage Type

Type: Character		Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	Medicare Supplemental(Indvl,Grp,WRAP)	857,235	
2	Individual Plan	549,234	
3	Priv Employr Sponsord Fully Self-Insured	5,072,289	
4	Private Employer Sponsored Insured	3,805,362	
5	Public Employee	5,129,651	
6	Comprehensive Std Health Benefit Plan	5,021,597	
7	Mcare srv provided by a Mcare HMO/HCFA	678,187	
8	Taft Hartley Jointly Managed Trust Fund	45,125	
9	Payer Code=9 (Unknown)	20,665	
Missing	Unknown	1,896,258	
Other	Code Invalid	1,518	

Notes: This variable contains the patient's type of insurance coverage. This variable is copied from the encounter data after linking the two files by PIDBDG.

RDELIVTYP

Delivery System Type

Type: Character		Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	HMO (Non-Medicaid,Includes Medicare)	11,452,353	
2	PPO-POS	3,337,998	
3	PPO or Other Managed Care	4,281,938	
4	Indemnity Care	778,469	
5	HMO-POS Rider	1,321,483	
9	Payer Code=9 (Not Coded)	7,042	
Missing	Unknown	1,896,258	

Other	CodeInvalid	1,580
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Notes: This variable contains the type of delivery system for rendering service. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RDENRDATE Disenrollment Date		
Type: Date	Length: 8	Variable Source:
Value	Description	Frequency
Missing	Date Components Incomplete	18,966,421
Reported	Date Components Complete	4,110,700

Notes: This variable contains the patient's disenrollment date. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RENDATE Enrollment Date		
Type: Date	Length: 8	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Date Components Incomplete	2,068,058
Reported	Date Components Complete	21,009,063

Notes: This variable contains the patient's enrollment date. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RF_10K Flag for Payment > 10K		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Payment <= 10K	23,076,766
1	Payment > 10K (outlier)	355

Notes: This flag identifies payments over \$10,000.00 as outliers.

RF_ANAL Analysis Flag(1-Analysis, 0-Exclude)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Excluded from Analysis	8,314,223
1	Kept for Analysis	14,762,898

Notes: This flag identifies records kept for the prescription drug report. The flag was created to match the analysis flag used for various prescription drug use and expenditure reports. The following 11 criteria were used to exclude records from the analysis file (excluded records are identified by RF_ANAL= 0).

- 1) Exclude records not filled in current year (2006). These records are identified by RF_YR07=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2,3,4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.
- 10) Exclude records for patients that are 65 years old and older. These records are identified by RF_YR65=1.

11) Exclude records of patients covered by Medicare plans (Medicare Supplemental and Medicare+Choice). These records are identified by RF_COV17=1.

RF_COV17

Medicare Coverage Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other Coverage Type	21,515,122
1	Coverage Type = Medicare(1 or 7)	1,561,999

Notes: This flag identifies records with Medicare coverage type (type = 1 or 7).

RF_DBC

Debit/Credit Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No D/C pairs	22,758,903
1	D/C pairs	229,174
2	Complete Duplicate Set	36,900
3	Partial Duplicate Set	36,518
4	Not D/C after Adj.	15,626

Notes: This flag identifies debit/credit, and duplicate records. Below is a brief explanation of how the flag is assigned. The flag RF_DBC for all records without duplicate fill (no similar prescription is filled the same day for the same patient) is set to 0. Over 98 percent of all the records have no debit/credit problems. The remaining records go through three passes. In the first pass, if two bills for the same patient, the same NDC, and the same fill date have positive and negative payments canceling each other, the flag RF_DBC is set to 1. Using the remaining non-flagged records in the first pass, if two records are complete duplicates, RF_DBC is set to 2 and if the records are partial duplicates, RF_DBC is set 3. In the last pass, all records without a flag in the second pass have their flag RF_DBC set to 4.

RF_DEA

DEA Number(1=Valid, 0=Other, 2=Blank)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other	3,504,683
1	Valid	19,498,327
9	Missing	74,111

Notes: This flag identifies valid DEA Numbers. The validation matches payer's submitted DEA numbers with a look-up list of DEA numbers from the US Drug Enforcement Agency (DEA).

RF_ELINK

Pharmacy/Encounter Link Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Link By PATID-DOB-SEX	21,180,863

Notes: This flag identifies pharmacy records that link with encounter records by PIDBDG.

RF_FINMS

All 3 Financial Vars=0/Missing (1/0)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency

0	No-All Financial Variables <> 0 or Missing	23,077,053
1	Yes-All Financial Variables = 0 or Missing	68

Notes: This flag identifies records with all financial variables equal 0 or missing.

RF_MD Maryland Residency Indicator (1-MD, 0-non MD)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Non-MD	38,577
1	MD	23,038,544

Notes: This flag identifies MD residents using the patient's ZIP Code. Any patient with at least one prescription service while residing in Maryland is regarded as a Maryland resident. Non-MD residents are excluded from the analysis file.

RF_MEDSUP Medical Supply Indicator(0=No, 1=Yes)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Not a Medical Supply	22,642,844
1	Medical Supply	341,064
9	Unknown	93,213

Notes: This flag identifies medical supply NDCs. Medical supplies products include medical supplies, diagnostic supplies, and nutritional supplements.

RF_MOANAL Mail Order Analysis Flag(1-Analysis, 0-Exclude)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Not Used In Mailorder Analysis	5,829,558
1	Used In Mailorder Analysis	17,247,563

Notes: This variables was created to identify records to be used in the 2004 Maintenance Drug Prescriptions Mail Order Purchase Study as mandated by Senate Bill 885. The mail-order analysis file is different from the regular analysis file because the latter includes the population over 64 years old as well as patients covered by Medicare plan. The following nine criteria were used to exclude records from the mail-order analysis file (excluded records are identified by RF_MOANAL= 0).

- 1) Exclude records not filled in current year (2006). These records are identified by RF_YR07=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2, 3, 4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1

RF_MORDER Mail Order Flag(0=No, 1=Yes)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency

0	Not Mail Order	21,731,537
1	Mail Order	1,345,584

Notes: This flag identifies prescription drugs filled through mail order. Payers were requested to provide a list of mail-order pharmacies (NCPDP number). All the numbers provided were compiled into a master list. The master list was used for all payers regardless of whether or not a payer included an NCPDP in the submitted list.

RF_NDC

NDC Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Matches NDC	22,983,677
1	Not Match NDC	90,204
2	Blank	511
4	Nines (9s)	2,729

Notes: The flag identifies NDC codes that do not match with NDC's in the Multum lexicon database.

RF_NDRUG

New Drug Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Branded, new	2,588,019
2	Branded, not new	7,660,358
3	Generic	12,342,213
4	Unknown	486,531

Notes: This flag identifies branded and generic drugs. Drugs are branded new if they were approved in last 4 years. Branded drug without known approval date are classified as branded, not new. The New Drug Flag is 4 either because it is unknown or the product is a medical supply.

RF_NDUP

Duplicate Set W/ at least One Neg. Bill

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other	23,076,317
1	Duplicate Set Include At Least One Negative Charge	804

Notes: This flag identifies duplicate sets with at least one member with negative bill charge.

RF_PATID

Patient ID Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Patid=OK	23,076,891
1	Patid=0s	230

Notes: This flag identifies invalid patient ID.

RF_PAYMD

Payment Category (1=<0,2=0,3=>0,4=.)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Negative Payment	114,729
2	Zero Payment	205
3	Positive Payment	22,962,187

Notes: This flag categorizes payment as negative, zero, positive or missing.

RF_PLINK

Pharmacy/Provider Link Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0-Jan	No Link	2,095,155
1-Jan	Link By DEANUM	18,241,821
2	Link By PROVID	2,740,143
3	Link By FEDTAXID	2

Notes: This flag identifies pharmacy records that link with provider file. The pharmacy file is linked to the provider file to extract practitioner's specialty information.

RF_SELF

Self Insurance Coverage Indicator

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Fully Insured Coverage Type	16,657,829
1	Self Insured Coverage Type	5,284,805
2	Other	1,134,487

Notes: This flag categorizes medical coverage into self insured and fully insured.

RF_YR07

Prescription Filled in 2007(1:>=07 0:<07)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No - Service Provided in 2006	17,443,626
1	Yes - Service Provided in 2006+	5,633,495

Notes: This flag identifies prescription services filled in 2006.

RF_YR65

Age 65+ Flag(0:<65, 1:>=65, 2:Missing)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0-Jan	Age <65	19,980,125
1-Jan	Age >=65	3,095,173
2	Age Missing	1,823

Notes: This flag identifies patients 65 years old and over. The flag is assigned based on the non rounded patient age as of 12/31/2005 (R_NAGE1205). Using rounded age puts 64.51-64.99 year-old patients into the 65+ age category.

RMSCAT

Medical Supply Category

Type: Character Length: 5 Variable Source: Assigned		
Value	Description	Frequency
10010	Bandages	1
10011	Wound Care Supplies	13
10012	Needles Syringes And Injection Supplies	74,588
10013	Blood Glucose Monitoring Supplies	254,365
10014	Urine Tests	820
10016	Nutritional Supplements	5
10017	Diaphragms	801

10020	Respiratory Therapy Supplies	9,263
10025	Bulk Compounding Chemicals	262
10026	Diagnostic Tests	228
10027	Ostomy Supplies	5
10028	Natural Supplements	4
10029	Administration Devices	126
10030	Medical Supplies	582
10032	Homeopathic Medication	1
Missing	Unknown	22,736,057

Notes: This variable contains the medical supply categories. The medical supply category is missing either because it is unknown or the product is a prescription drug.

RN_ZIP_S

Adjusted Pharmacy Zip Code (Using NACDS data)

Type: Character Length: 5 Variable Source: NACDS+Payer-Sub		
Value	Description	Frequency
Missing	Value Missing	273,780
Reported	Value Not Missing	22,803,341

Notes: This variable represents Adjusted Pharmacy Zip Code. NACDS data were used to fill in the pharmacy ZIP Codes where the payer did not provide the field value. About 2 percent of all records with missing pharmacy ZIP Codes were filled using NACDS data. For the payer submitted pharmacy zip code, see RZIP_S.

RPATLIAB

Patient Liability-PL (\$)

Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	104,067
> 500	> 500	4,328
0	0	538,407
101 - 500	101 - 500	248,221
26 - 50	26 - 50	4,082,725
39457	39457	10,033,319
39777	39777	7,109,916
51 - 100	51 - 100	956,138

Notes: This variable contains the amount that the patient is required to pay for a prescription service (i.e. coinsurance, co-payments, and deductibles).

RPATZIP

Patient Residence ZIP Code

Type: Character Length: 5 Variable Source: Payer-Submitted		
Value	Description	Frequency
Missing	Value Missing	9,516
Reported	Value Not Missing	23,067,605

Notes: This variable contains the ZIP Code of patient's residence.

RPAYMENT

Payment = Sum(RA,PL)

Type: Numeric Length: 8 Variable Source: Calculated		
Value	Description	Frequency
< 0	< 0	114,729
> 500	> 500	326,834
0	0	205

101 - 500	101 - 500	5,251,849
26 - 50	26 - 50	3,737,151
39457	39457	4,589,390
39777	39777	4,238,153
51 - 100	51 - 100	4,818,810

Notes: This variable contains the total amount paid for a prescription. Payment is the sum of patient liability and reimbursement amount.

RPHARMCTY **Pharmacy County**

Type: Character		Length: 3	Variable Source: Assigned
Value	Description	Frequency	
1	Allegany	201,617	
11	Caroline	113,723	
13	Carroll	654,204	
15	Cecil	257,216	
17	Charles	556,482	
19	Dorchester	134,666	
21	Frederick	1,158,638	
23	Garrett	81,077	
25	Harford	940,789	
999	Missing/Unknown	2,536,412	
27	Howard	1,083,972	
29	Kent	115,044	
3	Anne Arundel	1,880,686	
31	Montgomery	3,795,175	
33	Prince George	3,193,259	
35	Queen Annes	192,371	
37	Saint Marys	382,203	
39	Somerset	39,072	
41	Talbot	210,953	
43	Washington	502,046	
45	Wicomico	338,835	
47	Worcester	225,187	
5	Baltimore	2,981,079	
510	Baltimore City	1,097,780	
9	Calvert	404,635	

Notes: This variable represents the Maryland county in which a pharmacy is located. The Missing/Unknown category includes non-MD pharmacies.

RPHARMGRP **Pharmacy Group**

Type: Character		Length: 1	Variable Source: Assigned
Value	Description	Frequency	
1	Chain	9,049,572	
2	Independent	4,897,907	
3	Super Market/Mass Market	6,785,314	
4	Mail Order	1,345,584	
9	Other-Non MD	998,744	

Notes: This variable represents the pharmacy group category. The categorization is done by grouping one or more chain indicators based MHCC specifications.

RREIMB

Reimbursement Amount-RA (\$)		
Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	79,330
> 500	> 500	283,698
0	0	6,118,767
101 - 500	101 - 500	3,594,714
26 - 50	26 - 50	3,035,051
39457	39457	3,228,269
39777	39777	2,896,875
51 - 100	51 - 100	3,840,417
Notes: This variable contains the amount paid to the pharmacy by a payer.		

RSCRIPT		
Number of Adjusted or 30-day Script		
Type: Character Length: 3 Variable Source: Calculated		
Value	Description	Frequency
1	Drugspl <= 30	18,035,213
2	30 < Drugspl <= 60	1,208,861
3	Drugspl > 60	3,833,047
Notes: This variable represents the number of adjusted 30-day scripts or normalized scripts. Any drug supply of less or equal to 30 counts as one 1 script. Any drug supply between 31 and 60 days counts as two scripts and any supply over 60 days counts as 3 scripts.		

RSEX		
Patient Sex		
Type: Character Length: 1 Variable Source: Payer-Submitted		
Value	Description	Frequency
1	Male	9,240,883
2	Female	13,820,601
3	Payer Code=3 (Not Coded)	15,637
Notes: This variable contains the sex of patient.		

RSPECL1		
Practitioner/Supplier Specialty-1		
Type: Character Length: 3 Variable Source: Payer-Submitted		
Value	Description	Frequency
1	General Practice	75,660
10	Gastroenterology	297,570
100	Neonatology	353
101	Multi-Specialty Medical Practice	1,856,061
102	Mental Health Clinic	17
11	Geriatrics	5,800
12	Hand Surgery	2,618
13	Hematology	48,707
14	Internal Medicine	7,329,322
15	Infectious Disease	39,526
16	Nephrology	83,064
17	Neurology	252,173
18	Nuclear Medicine	620
19	Oncology	59,097
2	General Surgery	101,006
20	Ophthalmology	148,387

21	Orthopedic Surgery	226,505
22	Osteopathy (include manipulations)	358
23	Otology/Laryngo/Rhino/Otolaryngo	165,000
24	Pathology	9,409
25	Pediatrics	1,087,363
26	Peripheral Vascular Disease/Surgery	1,341
27	Plastic Surgery	35,600
28	Physical Medicine & Rehabilitation	90,543
29	Proctology	549
3	Allergy & Immunology	172,275
30	Psychiatry	698,968
31	Pulmonary Disease	131,271
32	Radiology	8,946
33	Rheumatology	163,423
34	Surgical Specialty Not Listed Here	55,628
35	Thoracic Surgery	2,255
36	Urology	163,282
37	Misc Special (pub health/indusl med)	672
38	Physician w/o Identfd Spec/Not Listd	29,926
39	Obstetrics/Gynecology	1,039,404
4	Anesthesiology	59,267
40	Acupuncturist	75
44	Chiropractor	1,970
45	Freestanding Clinic-Not a Govt Agncy	12
5	Cardiology	521,959
50	Advanced Practice Nurse: Midwife	13,808
51	Advancd Practice Nurse: Nurse Practitioner	90,213
52	Advd Practice Nurse: Psychotherapist	17
53	Nurse Other than Advanced Practice	633
54	Occupational Therapist	13
55	Optometrist	1,030
56	Podiatrist	72,021
57	Physical Therapist	3,200
58	Psychologist	2,386
59	Clinical Social Worker	417
6	Dermatology	330,267
60	Pub Health/Welf Agy-fed & local govt	76
62	Other Specialty Not Listed Above	1,888
7	Emergency Medicine	165,317
70	General Dentist	121,927
71	Endodontist	10,798
72	Orthodontist	854
73	Oral Surgeon	71,827
74	Pedodontist	3,501
75	Periodontist	16,887
76	Prosthodontist	67
8	Endocrinology Medicine	257,998
80	Freestanding Pharmacy incl grocery	1,316,644
81	Mail Order Pharmacy	13
82	Independent Laboratory	5
83	Independent Medical Supply Company	2
84	Optician/Optometrist	99
9	Family Practice	3,519,093
90	Freestanding Medical Facility	681
93	Other Facility	14,302
Missing	Value Missing	2,095,155

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RSPECL2

Practitioner/Supplier Specialty-2

Type: Character

Length: 3

Variable Source: Payer-Submitted

Value	Description	Frequency
1	General Practice	206,871
10	Gastroenterology	47,102
100	Neonatology	7,114
101	Multi-Specialty Medical Practice	1,307
102	Mental Health Clinic	37
11	Geriatrics	153,049
12	Hand Surgery	20,206
13	Hematology	50,146
14	Internal Medicine	1,393,715
15	Infectious Disease	94,039
16	Nephrology	65,737
17	Neurology	24,883
18	Nuclear Medicine	4,705
19	Oncology	66,408
2	General Surgery	81,922
20	Ophthalmology	13,149
21	Orthopedic Surgery	27,577
22	Osteopathy (include manipulations)	13,281
23	Otology/Laryngo/Rhino/Otolaryngo	9,447
24	Pathology	27,239
25	Pediatrics	216,231
26	Peripheral Vascular Disease/Surgery	13,524
27	Plastic Surgery	15,529
28	Physical Medicine & Rehabilitation	8,977
29	Proctology	7,912
3	Allergy & Immunology	32,479
30	Psychiatry	37,160
31	Pulmonary Disease	89,829
32	Radiology	22,491
33	Rheumatology	38,436
34	Surgical Specialty Not Listed Here	63,765
35	Thoracic Surgery	6,184
36	Urology	10,306
37	Misc Special (pub health/indusl med)	27,477
38	Physician w/o Identfd Spec/Not Listd	288,021
39	Obstetrics/Gynecology	62,802
4	Anesthesiology	13,639
40	Acupuncturist	13,305
41	Alcohol/Drug Detox Services	2,265
42	Ambulance Services	306
43	Audiologist/Speech Pathologist	394
44	Chiropractor	9,603
45	Freestanding Clinic-Not a Govt Agncy	140
49	Advanced Practice Nurse: Anesthetist	1,924
5	Cardiology	75,547
50	Advanced Practice Nurse: Midwife	2,594
51	Advancd Practice Nurse: Nurse Practitioner	44,013

52	Advd Practice Nurse: Psychotherapist	3,661
53	Nurse Other than Advanced Practice	574
54	Occupational Therapist	5,638
55	Optometrist	3,930
56	Podiatrist	3,459
57	Physical Therapist	12,062
58	Psychologist	34,506
59	Clinical Social Worker	12,035
6	Dermatology	16,344
60	Pub Health/Welf Agy-fed & local govt	2,972
62	Other Specialty Not Listed Above	42,450
7	Emergency Medicine	111,365
70	General Dentist	36,843
71	Endodontist	1,230
72	Orthodontist	77
73	Oral Surgeon	21,195
74	Pedodontist	950
75	Periodontist	1,408
76	Prosthodontist	113
8	Endocrinology Medicine	96,196
80	Freestanding Pharmacy incl grocery	7,017,266
81	Mail Order Pharmacy	7,451
82	Independent Laboratory	3,771
83	Independent Medical Supply Company	328
84	Optician/Optometrist	846
9	Family Practice	346,596
90	Freestanding Medical Facility	6,978
91	Freestanding Surgical Facility	1,861
92	Freestanding Imaging Center	98
93	Other Facility	9,472
Missing	Value Missing	11,862,659

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RSPECL3

Practitioner/Supplier Specialty-3

Type: Character		Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	General Practice	88,101	
10	Gastroenterology	16,083	
100	Neonatology	16,269	
101	Multi-Specialty Medical Practice	131	
11	Geriatrics	118,259	
12	Hand Surgery	2,393	
13	Hematology	17,109	
14	Internal Medicine	216,886	
15	Infectious Disease	13,794	
16	Nephrology	8,778	
17	Neurology	7,840	
18	Nuclear Medicine	11,870	
19	Oncology	9,286	
2	General Surgery	23,228	
20	Ophthalmology	16,994	
21	Orthopedic Surgery	7,429	

22	Osteopathy (include manipulations)	2,470
23	Otology/Laryngo/Rhino/Otolaryngo	3,301
24	Pathology	10,766
25	Pediatrics	84,953
26	Peripheral Vascular Disease/Surgery	2,244
27	Plastic Surgery	1,921
28	Physical Medicine & Rehabilitation	2,257
29	Proctology	2,051
3	Allergy & Immunology	32,869
30	Psychiatry	24,193
31	Pulmonary Disease	27,755
32	Radiology	2,280
33	Rheumatology	1,602
34	Surgical Specialty Not Listed Here	17,934
35	Thoracic Surgery	5,471
36	Urology	2,740
37	Misc Special (pub health/indusl med)	841
38	Physician w/o Identfd Spec/Not Listd	187,512
39	Obstetrics/Gynecology	77,756
4	Anesthesiology	1,478
40	Acupuncturist	19,161
43	Audiologist/Speech Pathologist	96
44	Chiropractor	20,950
45	Freestanding Clinic-Not a Govt Agncy	7,158
47	Dietitian/Licensed Nutritionist	24
49	Advanced Practice Nurse: Anesthetist	207
5	Cardiology	17,922
50	Advanced Practice Nurse: Midwife	119
51	Advancd Practice Nurse: Nurse Practitioner	17,785
53	Nurse Other than Advanced Practice	2,494
54	Occupational Therapist	1,814
55	Optometrist	9,562
56	Podiatrist	3,059
57	Physical Therapist	17,591
58	Psychologist	23,412
59	Clinical Social Worker	19,426
6	Dermatology	242
62	Other Specialty Not Listed Above	9,976
7	Emergency Medicine	68,541
70	General Dentist	47,843
71	Endodontist	3,142
72	Orthodontist	1,141
73	Oral Surgeon	333
74	Pedodontist	50
76	Prosthodontist	15
8	Endocrinology Medicine	8,936
80	Freestanding Pharmacy incl grocery	1,441,744
81	Mail Order Pharmacy	842
82	Independent Laboratory	5,561
83	Independent Medical Supply Company	3,495
84	Optician/Optometrist	420
9	Family Practice	144,583
90	Freestanding Medical Facility	9,409
91	Freestanding Surgical Facility	201
93	Other Facility	1,879
Missing	Value Missing	20,101,144

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RZIP_S Pharmacy ZIP Code		
Type: Character		Length: 5 Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	1,241,016
Reported	Value Not Missing	21,836,105
Notes: This variable contains the ZIP Code of pharmacy where prescription was dispensed.		

**2005 Maryland Medical Care Database
MCDB Pharmacy file
MCDBRX05_V2.SAS7BDAT**

Contents Output

Data Set Name	IN2.MCDBRX05_V2	Observations	23242247			
Member Type	DATA	Variables	67			
Engine	V9	Indexes	0			
Created	Thu, Dec 06, 2007 12:19:46 PM	Observation Length	262			
Last Modified	Thu, Dec 06, 2007 12:19:46 PM	Deleted Observations	0			
Protection		Compressed	BINARY			
Data Set Type		Reuse Space	NO			
Label		Point to Observations	YES			
Data Representation	WINDOWS_32	Sorted	NO			
Encoding	wlatin1 Western (Windows)					
Engine/Host Dependent Information						
Data Set Page Size		12288				
Number of Data Set Pages		407207				
Number of Data Set Repairs		0				
File Name		D:\Mcdb\Pharmacy\Special\data\mcdbrx05_v2.sas7bdat				
Release Created		9.0101M3				
Host Created		XP_PRO				
Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Infor mat	Label
57	APPRDATE	Num	8			FDA Approval Date
66	CHNIND	Char	1			Chain Indicator
27	DEANUM	Char	11			Practitioner DEA#
33	DRUGQTY	Num	4			Drug Quantity (No. of Units Dispensed)

34	DRUGSPL	Num	3			Drug Supply (Est. # of Supply Days)
28	DRUG_ID	Char	6			Multum Drug ID
38	FILLDATE	Num	8			Date Prescription Filled
12	FILLDD	Char	2			Day Prescription Filled
13	FILLMO	Char	2			Month Prescription Filled
14	FILLYR	Char	4			Year Prescription Filled
56	GB0	Char	1	\$1.	\$1.	Generic/Brand Indicator
55	MMDC	Char	5			Main Multum Drug Code
58	MULTDC1	Char	3			Multum Drug Category 1
59	MULTDC2	Char	3			Multum Drug Category 2
60	MULTDC3	Char	3			Multum Drug Category 3
61	MULTDC4	Char	3			Multum Drug Category 4
15	NCPDP	Char	7			Pharmacy Number (NCPDP)
16	NDC	Char	12			National Drug Code (NDC-11 Chars)
53	NDCLABL	Char	9			Labeler-Product Code(Chars 1-9 of NDC)
54	NDCPACK	Char	2			Package Code(Chars 10-11 of NDC)
17	PATID	Char	14			Patient ID, Encrypted
11	PIDBDG	Char	25			Unique Patient ID
35	PNUM	Char	4			Payer Unique ID
5	RAGE	Num	3			Patient Age at Service
6	RAGE1205	Num	3			Patient Age as of 12/31/2005
30	RBILL	Num	8			Billed Charge-BC (\$)
19	RBIRTHMO	Char	2			Patient Birth Month
20	RBIRTHYR	Char	4			Patient Birth Year
7	RCOVTYPE	Char	1			Coverage Type
8	RDELIVTYP	Char	1			Delivery System Type
9	RDENRDATE	Num	8	MMDDY Y10.		Disenrollment Date

10	RENDATE	Num	8	MMDDY Y10.		Enrollment Date
39	RF_10K	Char	1			Flag for Payment > 10K
3	RF_ANAL	Char	1			Analysis Flag(1-Analysis, 0-Exclude)
43	RF_COV17	Char	1			Medicare Coverage Flag
1	RF_DBC	Char	1			Debit/Credit Flag
65	RF_DEA	Char	1			Deanum(1=Valid, 0=Other, 2=Blank)
42	RF_ELINK	Char	1			Encounter Linkage Indicator
24	RF_FINMS	Char	1			All 3 Financial Vars=0/Missing (1/0)
41	RF_MD	Char	1			Maryland Residency Indicator (1-MD, 0-non MD)
29	RF_MEDSUP	Char	1			Medical Supply Indicator(0=No, 1=Yes)
51	RF_MOANAL	Char	1			Mail Order Analysis Flag(1-Analysis, 0-Exclude)
62	RF_MORDER	Char	1			Mail Order Flag(0=No, 1=Yes)
4	RF_NDC	Char	1			NDC Flag
63	RF_NDRUG	Char	1			New Drug Flag
2	RF_NDUP	Char	1			Duplicate Set W/ at least One Neg. Bill
40	RF_PATID	Char	1			Patient ID Flag
25	RF_PAYMD	Char	1			Payment Category (1=<0,2=0,3=>0,4=.)
47	RF_PLINK	Char	1			Pharmacy/Provider Link Flag
45	RF_SELF	Char	1			Self Insurance Coverage Indicator
23	RF_YR06	Char	1			Prescription Filled in 2006(1:>=06 0:<06)
64	RF_YR65	Char	1			Age 65+ Flag(0:<65, 1:>=65, 2:Missing)
36	RMSCAT	Char	5			Medical Supply Category
46	RN_ZIP_S	Char	5			Adjusted Pharmacy Zip Code (Using NACDS data)
32	RPATLIAB	Num	8			Patient Liability-PL (\$)
21	RPATZIP	Char	5			Patient Residence ZIP Code
37	RPAYMENT	Num	8			Payment = Sum(RA,PL)
44	RPHARMCTY	Char	3			Pharmacy County

67	RPHARMGRP	Char	1			Pharmacy Group
31	RREIMB	Num	8			Reimbursement Amount-RA (\$)
52	RSCRIPT	Num	3			Number of Adjusted or 30-day Script
22	RSEX	Char	1			Patient Sex
48	RSPECL1	Char	3			Practitioner/Supplier Specialty-1
49	RSPECL2	Char	3			Practitioner/Supplier Specialty-2
50	RSPECL3	Char	3			Practitioner/Supplier Specialty-3
18	RZIP_S	Char	5			Pharmacy ZIP Code
26	R_NAGE1205	Num	3			Patient Age as of 12/31/2005 (Not Rounded)

**2005 Maryland Medical Care Database
MCDB Pharmacy File
MCDBRX05_V2.SAS7BDAT**

Codebook

APPRDATE FDA Approval Date		
Type: Date	Length: 8	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Date Components Incomplete	752,847
Reported	Date Components Complete	22,489,400
Notes: This variable represents the drug approval date by FDA.		

CHNIND Chain Indicator		
Type: Character	Length: 1	Variable Source: Assigned
Value	Description	Frequency
A	In Associations, Like Epic	448,956
C	Chain Drug Stores	8,609,408
D	Mass Merchants	1,721,039
G	Super Markets	5,428,116
I	Independent Drug Stores	2,685,309
M	Mail Order	1,327,948
O	Other Non MD Pharmacies	991,144
U	Institution/Practice Based Pharmacies	1,894,789
X	Other MD Pharmacy	135,538
Notes: This variable represents a chain indicator. Non-Maryland pharmacies category does not include mail-order pharmacies. Other Maryland pharmacies are pharmacies located in Maryland for which there is no known category		

DEANUM Practitioner DEA#		
Type: Character	Length: 11	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	4,337,407
Reported	Value Not Missing	18,904,840
Notes: This variable represents Drug Enforcement Agency number (DEA #). The DEA # is assigned to providers registered under the Controlled Substance Act by the Drug Enforcement Administration of the U.S. Department of Justice. DEA number is used as a unique practitioner identifier in the Pharmacy Database.		

DRUG_ID Multum Drug ID		
Type: Character	Length: 6	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Value Missing	504,247
Reported	Value Not Missing	22,738,000
Notes: This variable represents the Drug Identification Number. Each code is written in the form "d#####" and identifies a unique generic drug. The Drug Identification Number is missing either because it is unknown or the product is a medical supply.		

DRUGQTY

Drug Quantity (No. of Units Dispensed)		
Type: Numeric Length: 4 Variable Source: Payer-Submitted		
Value	Description	Frequency
.		94
< 0	< 0	22,349
0-Jan	0-Jan	18,853
31 - 60	31 - 60	4,130,785
39477	39477	12,750,328
61 - 90	61 - 90	3,527,993
90+	> 90	2,791,845
Notes: This variable represents the number of units of drug dispensed.		

DRUGSPL Drug Supply (Est. # of Supply Days)		
Type: Numeric Length: 3 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	20,631
0	0	32,214
31 - 60	31 - 60	1,336,058
39477	39477	18,068,804
61 - 90	61 - 90	3,730,493
90+	> 90	54,047
Notes: This variable represents the estimated number of days of dispensed supply.		

FILLDATE Date Prescription Filled		
Type: Date Length: 8 Variable Source: Calculated		
Value	Description	Frequency
Reported	Date Components Complete	23,242,247
Notes: This variable represents the date a prescription was filled.		

FILLDD Day Prescription Filled		
Type: Character Length: 2 Variable Source: Payer-Submitted		
Value	Description	Frequency
01 thru 31	Day = 01-31	23,242,247
Notes: This variable represents the day a prescription was filled.		

FILLMO Month Prescription Filled		
Type: Character Length: 2 Variable Source: Payer-Submitted		
Value	Description	Frequency
01 thru 12	Month = 01-12	23,242,247
Notes: This variable represents the month a prescription was filled.		

FILLYR Year Prescription Filled		
Type: Character Length: 4 Variable Source: Payer-Submitted		
Value	Description	Frequency
2005	Year = 2005	17,710,612
2006	Year = 2006	5,531,635

Notes: This variable represents the year a prescription was filled. Year 2005 includes prescription drugs filled for the whole year but Year 2006 includes only prescription drugs filled from January 1, 2006 through April 30, 2006

GB0

Generic/Brand Indicator

Type: Character		Length: 1	Variable Source: Multum Lexicon
Value	Description	Frequency	
G	Generic	11,594,062	
Missing	Unknown	464,030	
N	Brand	11,184,155	

Notes: This variable designates the drug status as brand or generic. The generic/brand indicator is missing either because it is unknown or the product is a medical supply.

MMDC

Main Multum Drug Code

Type: Character		Length: 5	Variable Source: Multum Lexicon
Value	Description	Frequency	
Missing	Unknown	464,030	
Reported	Value Not Missing	22,778,217	

Notes: This variable represents the main Multum drug code (MMDC). Each code is a unique combination of active ingredient(s), strength, route of administration, and dosage form. This variable is used to identify drugs that share the above 4 characteristics across different manufacturers and labels. The main Multum drug code is missing either because it is unknown or the product is a medical supply.

MULTDC1

Multum Drug Category 1

Type: Character		Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency	
10	Leprostatics	3,434	
100	Miscellaneous Hormones	55,402	
102	Contraceptives	912,062	
103	Thyroid Drugs	526,030	
104	Immunosuppressive Agents	35,763	
106	Antidotes	3,347	
107	Chelating Agents	3,615	
108	Cholinergic Muscle Stimulants	1,916	
109	Local Injectable Anesthetics	4	
110	Miscellaneous Uncategorized Agents	16,262	
111	Psoralens	655	
116	Iron Products	116,314	
117	Minerals And Electrolytes	164,814	
118	Oral Nutritional Supplements	279	
119	Vitamins	99,319	
12	Miscellaneous Antibiotics	94,754	
120	Vitamin And Mineral Combinations	46,365	
121	Intravenous Nutritional Products	53	
123	Antihistamines	450,927	
124	Antitussives	36,997	
126	Methylxanthines	11,532	
128	Expectorants	289	
129	Miscellaneous Respiratory Agents	825	
131	Antiasthmatic Combinations	7	
132	Upper Respiratory Combinations	491,285	

134	Anorectal Preparations	9,251
135	Antiseptic And Germicides	22,611
137	Topical Anti-Infectives	28,720
138	Topical Steroids	339,840
139	Topical Anesthetics	44,341
14	Quinolones	314,402
140	Miscellaneous Topical Agents	49,358
141	Topical Steroids With Anti-Infectives	52,933
143	Topical Acne Agents	216,531
144	Topical Antipsoriatics	17,040
146	Mouth And Throat Products	19,164
15	Sulfonamides	7,368
150	Sterile Irrigating Solutions	168
153	Plasma Expanders	1
154	Loop Diuretics	158,943
155	Potassium-Sparing Diuretics	35,433
156	Thiazide Diuretics	354,163
157	Carbonic Anhydrase Inhibitors	4,813
159	First Generation Cephalosporins	151,577
16	Tetracyclines	174,081
160	Second Generation Cephalosporins	58,781
161	Third Generation Cephalosporins	81,143
162	Fourth Generation Cephalosporins	2
163	Ophthalmic Anti-Infectives	128,194
164	Ophthalmic Glaucoma Agents	134,642
165	Ophthalmic Steroids	27,700
166	Ophthalmic Steroids With Anti-Infectives	25,143
167	Ophthalmic Anti-Inflammatory Agents	24,353
168	Ophthalmic Lubricants And Irrigations	63
169	Miscellaneous Ophthalmic Agents	2
17	Urinary Anti-Infectives	59,983
170	Otic Anti-Infectives	11,225
171	Otic Steroids With Anti-Infectives	44,559
172	Miscellaneous Otic Agents	9,337
173	HMG-CoA Reductase Inhibitors	996,214
175	Protease Inhibitors	17,029
176	NRTIs	17,337
177	Miscellaneous Antivirals	2,298
178	Skeletal Muscle Relaxants	256,950
179	Skeletal Muscle Relaxant Combinations	1,758
18	Aminoglycosides	2,457
180	Adrenergic Bronchodilators	356,946
181	Bronchodilator Combinations	192,284
182	Androgens And Anabolic Steroids	21,793
183	Estrogens	170,805
184	Gonadotropins	9,401
185	Progestins	57,078
186	Sex Hormone Combinations	50,677
187	Miscellaneous Sex Hormones	7,529
191	Narcotic Analgesic Combinations	930,125
192	Antirheumatics	42,529
193	Antimigraine Agents	127,850
194	Antigout Agents	81,012
195	5HT3 Receptor Antagonists	18,951
196	Phenothiazine Antiemetics	19,360
197	Anticholinergic Antiemetics	6,473

198	Miscellaneous Antiemetics	3,530
199	Hydantoin Anticonvulsants	26,971
2	Amebicides	66,031
200	Succinimide Anticonvulsants	698
204	Miscellaneous Anticonvulsants	268,450
205	Anticholinergic Antiparkinson Agents	7,496
208	SSRI Antidepressants	824,582
209	Tricyclic Antidepressants	110,937
21	Alkylating Agents	1,955
210	Phenothiazine Antipsychotics	2,786
211	Platelet Aggregation Inhibitors	119,969
213	Sulfonylureas	217,429
214	Non-Sulfonylureas	277,108
215	Insulin	188,140
216	Alpha-Glucosidase Inhibitors	2,528
217	Bisphosphonates	198,263
219	Nutraceutical Products	3,842
22	Antibiotics/Antineoplastics	5
222	Penicillinase Resistant Penicillins	4,398
223	Antipseudomonal Penicillins	40
224	Aminopenicillins	471,159
225	Beta-Lactamase Inhibitors	228,996
226	Natural Penicillins	83,056
227	NNRTIs	10,748
228	Adamantane Antivirals	5,325
229	Purine Nucleosides	148,935
23	Antimetabolites	39,886
231	Nicotinic Acid Derivatives	3,621
232	Rifamycin Derivatives	2,288
233	Streptomyces Derivatives	4
234	Miscellaneous Antituberculosis Agents	501
235	Polyenes	47
236	Azole Antifungals	112,214
237	Miscellaneous Antifungals	35,937
238	Aminoquinolones	16,313
239	Miscellaneous Antimalarials	48
24	Hormones/Antineoplastics	100,737
240	Lincomycin Derivatives	52,831
241	Fibric Acid Derivatives	104,417
243	Leukotriene Modifiers	169,390
244	Nasal Lubricants And Irrigations	5
245	Nasal Steroids	378,169
246	Nasal Antihistamines And Decongestants	26,335
248	Topical Emollients	11,655
25	Miscellaneous Antineoplastics	13,995
250	Monoamine Oxidase Inhibitors	1,645
252	Bile Acid Sequestrants	17,574
253	Anorexiant	556
256	Interferons	11,026
257	Monoclonal Antibodies	6,336
26	Mitotic Inhibitors	116
261	Heparins	10,822
262	Coumarins And Indandiones	112,281
263	Impotence Agents	155,861
264	Urinary Antispasmodics	65,287
265	Urinary Ph Modifiers	4,348

266	Miscellaneous Genitourinary Tract Agents	27,564
267	Ophthalmic Antihistamines And Decongestants	59,630
268	Vaginal Anti-Infectives	34,794
269	Miscellaneous Vaginal Agents	229
270	Antipsoriatics	1,219
271	Thiazolidinediones	163,115
272	Proton Pump Inhibitors	615,366
274	Cardioselective Beta Blockers	621,110
275	Non-Cardioselective Beta Blockers	127,003
276	Dopaminergic Antiparkinsonism Agents	31,457
277	5-Aminosalicylates	35,157
278	Cox-2 Inhibitors	66,116
279	Gonadotropin Releasing Hormones	82
280	Thioxanthenes	699
281	Neuraminidase Inhibitors	17,627
282	Meglitinides	12,443
284	Viscosupplementation Agents	395
286	Mydriatics	3,384
287	Ophthalmic Anesthetics	18
288	5-Alpha-Reductase Inhibitors	22,922
290	Topical Antibiotics	57,354
291	Topical Antivirals	17,208
292	Topical Antifungals	94,569
293	Glucose Elevating Agents	1
295	Growth Hormones	3,836
296	Inhaled Corticosteroids	98,348
298	Mast Cell Stabilizers	2,118
299	Anticholinergic Bronchodilators	30,324
3	Anthelmintics	3,733
300	Corticotropin	18
301	Glucocorticoids	298,558
302	Mineralocorticoids	3,663
303	Agents For Pulmonary Hypertension	336
304	Macrolides	472,152
305	Ketolides	36,656
306	Phenylpiperazine Antidepressants	78,989
307	Tetracyclic Antidepressants	24,782
308	Ssnri Antidepressants	179,430
309	Miscellaneous Antidiabetic Agents	5,000
31	Bacterial Vaccines	289
311	Dibenzazepine Anticonvulsants	46,849
312	Cholinergic Agonists	2,734
313	Cholinesterase Inhibitors	18,242
314	Antidiabetic Combinations	65,472
316	Cholesterol Absorption Inhibitors	91,109
317	Antihyperlipidemic Combinations	80,145
32	Colony Stimulating Factors	2,459
320	smoking cessation agents	1,970
323	antineoplastic monoclonal antibodies	55
324	antineoplastic interferons	375
327	antiviral combinations	15,777
328	antimalarial combinations	4,464
329	antituberculosis combinations	7
33	Immune Globulins	86
330	antiviral interferons	5,094
333	iodinated contrast media	4

336	non-iodinated contrast media	23
34	In Vivo Diagnostic Biologicals	3
340	aldosterone receptor antagonists	1,397
341	atypical antipsychotics	112,408
343	tyrosine kinase inhibitors	2,554
36	Recombinant Human Erythropoietins	8,254
37	Toxoids	3
38	Viral Vaccines	59
39	Miscellaneous Biologicals	12
41	Agents For Hypertensive Emergencies	28
42	Angiotensin Converting Enzyme Inhibitors	640,043
43	Antiadrenergic Agents, Peripherally Acting	122,204
44	Antiadrenergic Agents, Centrally Acting	70,505
45	Antianginal Agents	63,625
46	Antiarrhythmic Agents	23,387
48	Calcium Channel Blocking Agents	524,950
50	Inotropic Agents	40,947
51	Miscellaneous Cardiovascular Agents	7,588
52	Peripheral Vasodilators	318
53	Vasodilators	14,485
54	Vasopressors	19,523
55	Antihypertensive Combinations	726,550
56	Angiotensin II Inhibitors	287,175
59	Miscellaneous Analgesics	61,044
60	Narcotic Analgesics	204,308
61	Nonsteroidal Anti-Inflammatory Agents	652,720
62	Salicylates	4,014
63	Analgesic Combinations	81,382
68	Barbiturates	7,184
69	Benzodiazepines	484,555
70	Miscellaneous Anxiolytics, Sedatives And Hypnotics	304,759
71	CNS Stimulants	348,026
72	General Anesthetics	5
76	Miscellaneous Antidepressants	215,822
77	Miscellaneous Antipsychotic Agents	35,259
79	Psychotherapeutic Combinations	3,596
8	Carbapenems	1
80	Miscellaneous Central Nervous System Agents	6,709
85	Miscellaneous Coagulation Modifiers	3,597
88	Antacids	116
89	Anticholinergics/Antispasmodics	70,103
90	Antidiarrheals	14,602
91	Digestive Enzymes	5,434
92	Gallstone Solubilizing Agents	5,797
93	GI Stimulants	30,816
94	H2 Antagonists	75,589
95	Laxatives	82,138
96	Miscellaneous GI Agents	39,471
Missing	Unknown	464,030

Notes: This variable contains a therapeutic/chemical category for a specific drug. Each drug belongs up to 4 categories. This is category no. 1.

MULTDC2

Multum Drug Category 2

Type: Character

Length: 3

Variable Source: Multum Lexicon

Value	Description	Frequency
102	Contraceptives	52,921
106	Antidotes	2
109	Local Injectable Anesthetics	53
110	Miscellaneous Uncategorized Agents	13,832
117	Minerals And Electrolytes	125
12	Miscellaneous Antibiotics	62,900
120	Vitamin And Mineral Combinations	116,064
123	Antihistamines	41,673
124	Antitussives	753
127	Decongestants	11
129	Miscellaneous Respiratory Agents	1,672
140	Miscellaneous Topical Agents	19,515
146	Mouth And Throat Products	20,921
15	Sulfonamides	90,131
17	Urinary Anti-Infectives	3
174	Miscellaneous Antihyperlipidemic Agents	27,828
179	Skeletal Muscle Relaxant Combinations	97
18	Aminoglycosides	33
182	Androgens And Anabolic Steroids	83
183	Estrogens	2
185	Progestins	12,114
186	Sex Hormone Combinations	197,476
192	Antirheumatics	38,335
196	Phenothiazine Antiemetics	58,009
197	Anticholinergic Antiemetics	7,423
198	Miscellaneous Antiemetics	30,816
201	Barbiturate Anticonvulsants	6,924
203	Benzodiazepine Anticonvulsants	275,289
204	Miscellaneous Anticonvulsants	4,235
209	Tricyclic Antidepressants	7,907
210	Phenothiazine Antipsychotics	19,358
211	Platelet Aggregation Inhibitors	6,259
217	Bisphosphonates	344
235	Polyenes	14,558
236	Azole Antifungals	4,232
238	Aminoquinolones	27,606
239	Miscellaneous Antimalarials	102,047
248	Topical Emollients	1,850
25	Miscellaneous Antineoplastics	1,272
253	Anorexiant	4,723
257	Monoclonal Antibodies	1
263	Impotence Agents	2,625
264	Urinary Antispasmodics	5,555
266	Miscellaneous Genitourinary Tract Agents	19
268	Vaginal Anti-Infectives	93,427
269	Miscellaneous Vaginal Agents	33,654
272	Proton Pump Inhibitors	819
276	Dopaminergic Antiparkinsonism Agents	5,595
277	5-Aminosalicylates	7,224
286	Mydriatics	34
289	Antihyperuricemic Agents	52,390
290	Topical Antibiotics	7,628
292	Topical Antifungals	609
293	Glucose Elevating Agents	2,343
297	Mucolytics	722

301	Glucocorticoids	36,011
303	Agents For Pulmonary Hypertension	100,558
317	Antihyperlipidemic Combinations	12,638
320	smoking cessation agents	215,822
340	aldosterone receptor antagonists	34,413
53	Vasodilators	33,208
Missing	Unknown	21,327,556

Notes: This variable contains a therapeutic/chemical category for a specific drug. Each drug belongs up to 4 categories. This is category no. 2.

MULTDC3

Multum Drug Category 3

Type: Character Length: 3 Variable Source: Multum Lexicon		
Value	Description	Frequency
180	Adrenergic Bronchodilators	19,512
185	Progestins	52,921
197	Anticholinergic Antiemetics	270
204	Miscellaneous Anticonvulsants	11
265	Urinary Ph Modifiers	113
270	Antipsoriatics	28,513
Missing	Unknown	23,140,907

Notes: This variable contains a therapeutic/chemical category for a specific drug. Each drug belongs up to 4 categories. This is category no. 3.

MULTDC4

Multum Drug Category 4

Type: Character Length: 3 Variable Source: Multum Lexicon		
Value	Description	Frequency
205	Anticholinergic Antiparkinson Agents	270
Missing	Unknown	23,241,977

Notes: This variable contains a therapeutic/chemical category for a specific drug. Each drug belongs up to 4 categories. This is category no. 4.

NCPDP

Pharmacy Number (NCPDP)

Type: Character Length: 7 Variable Source: Payer-Submitted		
Value	Description	Frequency
Missing	Value Missing	10,271
Reported	Value Not Missing	23,231,976

Notes: This variable contains a 7-digit number assigned by National Council for prescription Drug program. This number identifies dispensing pharmacies. This variable is a unique identifier of a pharmacy. It is also used to identify mail-order pharmacy (see RF_MORDER) , chain indicator (see CHNIND), and pharmacy group (see PHARMGRP).

NDC

National Drug Code (NDC-11 Chars)

Type: Character Length: 12 Variable Source: Payer-Submitted		
Value	Description	Frequency
Missing	Value Missing	1,533
Reported	Value Not Missing	23,240,714

Notes: This variable contains the National Drug Code (NDC). The NDC is an 11-digit that identifies each marketed drug/product (including medical supplies). The first 5 numbers identify the manufacturer of a product. The second 4 numbers identify the product, and the last 2 numbers identify the package size of that product.

NDCLABL Labeler-Product Code(Chars 1-9 of NDC)		
Type: Character	Length: 9	Variable Source: Assigned
Value	Description	Frequency
Missing	Value Missing	117,604
Reported	Value Not Missing	23,124,643
Notes: This variable contains the first 9 of the 11 digits of the NDC code. The first 5 numbers identify the manufacturer of a product and the second 4 numbers identify the product.		

NDCPACK Package Code(Chars 10-11 of NDC)		
Type: Character	Length: 2	Variable Source: Assigned
Value	Description	Frequency
Missing	Value Missing	117,604
Reported	Value Not Missing	23,124,643
Notes: This variable contains the last 2 of the 11 digits of the NDC code or package code.		

PATID Patient ID, Encrypted		
Type: Character	Length: 14	Variable Source: Assigned
Value	Description	Frequency
Reported	Value Not Missing	23,242,247
Notes: This variable represents the encrypted patient ID. The patient ID is assigned by a payer. Some payers assign the same patient ID to all members of a policy, making the ID not unique. For unique patient ID, see PIDBDG.		

PIDBDG Unique Patient ID		
Type: Character	Length: 25	Variable Source: Assigned
Value	Description	Frequency
Reported	Value Not Missing	23,242,247
Notes: Some payers assign the same Patient ID to all members of a policy, making the ID not unique. PIDBDG is a unique patient identifier consisting of encrypted patient ID, Year of Birth, Month of Birth and Gender.		

PNUM Payer Unique ID		
Type: Character	Length: 4	Variable Source: Assigned
Value	Description	Frequency
P020	Aetna Life & Health Insurance Co.	1,023,951
P030	Aetna U.S. Healthcare	1,716,067
P070	American Republic Insurance Co.	10,271
P130	CareFirst BlueChoice, Inc.	5,782,492
P131	CareFirst of Maryland, Inc.	3,380,629
P160	CIGNA Healthcare Mid-Atlantic, Inc.	1,279,565
P280	Time Insurance Co.	13,909
P320	Golden Rule Insurance Co.	53,051
P325	Graphic Arts Benefit Corporation	61,802
P330	Great-West Life & Annuity Insurance Co.	191,870
P350	Guardian Life Insurance Co. of America	215,286
P471	Unicare Life & Health Insurance Co.	133,943
P480	Kaiser Foundation Health Plan of Mid-Atlantic	2,635,067
P500	MAMSI Life and Health Insurance Co.	896,487

P510	Maryland Fidelity Insurance Co.	96,232
P520	MD-Individual Practice Association, Inc.	1,460,113
P530	MEGA Life & Health Insurance Co.	72,627
P620	Optimum Choice, Inc.	2,654,683
P680	Coventry Healthcare of Delaware, Inc.	425,226
P760	State Farm Mutual Automobile Insurance Co.	49,985
P820	United Healthcare Insurance Co.	936,634
P830	Trustmark Insurance Co.	1,524
P850	Union Labor Life Insurance Co.	60,949
P870	United Healthcare of the Mid-Atlantic, Inc.	89,884

Notes: This variable represents the payer's unique identifier. This identifier is assigned by MHCC.

R_NAGE1205

Patient Age as of 12/31/2005 (Not Rounded)

Type: Numeric		Length: 3	Variable Source:
Value	Description	Frequency	
0 - 17	0 - 17	1,906,762	
18 - 64	18 - 64	17,304,967	
65 - 110	65 - 110	4,028,661	
Missing	Missing	1,857	

Notes: This variable represents the non-rounded age of a patient as of December 31, 2005. Ages calculated to be less than 0 or greater than 110 have been set to missing. For rounded age, see RAGE1205.

RAGE

Patient Age at Service

Type: Numeric		Length: 3	Variable Source: Calculated
Value	Description	Frequency	
0 - 17	0 - 17	2,046,294	
18 - 64	18 - 64	17,474,270	
65 - 110	65 - 110	3,721,631	
Missing	Missing	52	

Notes: This variable represents the rounded age of a patient at the time of prescription fill-up. Ages calculated to be less than 0 or greater than 110 have been set to missing.

RAGE1205

Patient Age as of 12/31/2005

Type: Numeric		Length: 3	Variable Source:
Value	Description	Frequency	
0 - 17	0 - 17	1,990,094	
18 - 64	18 - 64	17,412,933	
65 - 110	65 - 110	3,839,176	
Missing	Missing	44	

Notes: This variable represents the rounded age of a patient as of December 31, 2005. Ages calculated to be less than 0 or greater than 110 have been set to missing. For the non-rounded age, see R_NAGE1205.

RBILL

Billed Charge-BC (\$)

Type: Numeric		Length: 8	Variable Source: Payer-Submitted
Value	Description	Frequency	
< 0	< 0	83,427	
> 500	> 500	341,352	
0	0	2,058	

101 - 500	101 - 500	5,782,440
26 - 50	26 - 50	3,975,062
39457	39457	3,833,275
39777	39777	3,648,524
51 - 100	51 - 100	5,576,109

Notes: Billed charge is the drug retail amount (including dispensing fees and administrative costs).

RBIRTHMO **Patient Birth Month**

Type: Character		Length: 2	Variable Source: Payer-Submitted
Value	Description	Frequency	
01 thru 12	Month = 01-12	23,242,247	

Notes: This variable contains the patient's birth month.

RBIRTHYR **Patient Birth Year**

Type: Character		Length: 4	Variable Source: Payer-Submitted
Value	Description	Frequency	
1888	Year = 1888	1	
1890-1942	Year = 1890-1942	4,461,745	
1943-1989	Year = 1943-1989	17,026,073	
1990-2006	Year = 1990-2006	1,754,388	
9999	Year = 9999	40	

Notes: This variable contains the patient's birth year.

RCOVTYPE **Coverage Type**

Type: Character		Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	Medicare Supplemental(Indvl,Grp,WRAP)	1,576,090	
2	Individual Plan	551,174	
3	Priv Employr Sponsord Fully Self-Insured	5,013,317	
4	Private Employer Sponsored Insured	4,414,505	
5	Public Employee	4,419,087	
6	Comprehensive Std Health Benefit Plan	4,924,520	
7	Mcare srv provided by a Mcare HMO/HCFA	601,361	
9	Payer Code=9 (Unknown)	1,323	
Missing	Unknown	1,740,870	

Notes: This variable contains the patient's type of insurance coverage. This variable is copied from the encounter data after linking the two files by PIDBDG.

RDELIVTYP **Delivery System Type**

Type: Character		Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	HMO (Non-Medicaid,Includes Medicare)	11,709,781	
2	PPO-POS	3,108,752	
3	PPO or Other Managed Care	4,225,672	
4	Indemnity Care	1,171,581	
5	HMO-POS Rider	1,240,861	
9	Payer Code=9 (Not Coded)	44,730	
Missing	Unknown	1,740,870	

Notes: This variable contains the type of delivery system for rendering service. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RDENRDATE

Disenrollment Date

Type: Date Length: 8 Variable Source:		
Value	Description	Frequency
Missing	Date Components Incomplete	14,258,503
Reported	Date Components Complete	8,983,744

Notes: This variable contains the patient's disenrollment date. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RENDATE

Enrollment Date

Type: Date Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
Missing	Date Components Incomplete	1,741,007
Reported	Date Components Complete	21,501,240

Notes: This variable contains the patient's enrollment date. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RF_10K

Flag for Payment > 10K

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Payment <= 10K	23,242,025
1	Payment > 10K (outlier)	222

Notes: This flag identifies payments over \$10,000.00 as outliers.

RF_ANAL

Analysis Flag(1-Analysis, 0-Exclude)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Excluded from Analysis	8,846,993
1	Kept for Analysis	14,395,254

Notes: This flag identifies records kept for the prescription drug report. The flag was created to match the analysis flag used for the 2003 and 2005 prescription drug use and expenditure report. The following 11 criteria were used to exclude records from the analysis file (excluded records are identified by RF_ANAL= 0).

- 1) Exclude records not filled in current year (2005). These records are identified by RF_YR06=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2,3,4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.
- 10) Exclude records for patients that are 65 years old and older. These records are identified by RF_YR65=1.
- 11) Exclude records of patients covered by Medicare plans (Medicare Supplemental and Medicare+Choice). These records

are identified by RF_COV17=1.

RF_COV17

Medicare Coverage Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other Coverage Type	21,299,420
1	Coverage Type = Medicare(1 or 7)	1,942,827

Notes: This flag identifies records with Medicare coverage type (type = 1 or 7).

RF_DBC

Debit/Credit Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No D/C pairs	22,907,074
1	D/C pairs	165,884
2	Complete Duplicate Set	83,779
3	Partial Duplicate Set	63,691
4	Not D/C after Adj.	21,819

Notes: This flag identifies debit/credit, and duplicate records. Below is a brief explanation of how the flag is assigned. The flag RF_DBC for all records without duplicate fill (no similar prescription is filled the same day for the same patient) is set to 0. Over 98 percent of all the records have no debit/credit problems. The remaining records go through three passes. In the first pass, if two bills for the same patient, the same NDC, and the same fill date have positive and negative payments canceling each other, the flag RF_DBC is set to 1. Using the remaining non-flagged records in the first pass, if two records are complete duplicates, RF_DBC is set to 2 and if the records are partial duplicates, RF_DBC is set 3. In the last pass, all records without a flag in the second pass have their flag RF_DBC set to 4.

RF_DEA

Deanum(1=Valid, 0=Other, 2=Blank)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other	3,372,724
1	Valid	15,532,116
9	Missing	4,337,407

Notes: This flag identifies valid DEA Numbers. The validation matches payer's submitted DEA numbers with a look-up list of DEA numbers from the US Drug Enforcement Agency (DEA).

RF_ELINK

Encounter Linkage Indicator

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No Link	1,711,004
1	Link By PATID-DOB-SEX	21,531,243

Notes: This flag identifies pharmacy records that link with encounter records by PIDBDG.

RF_FINMS

All 3 Financial Vars=0/Missing (1/0)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No-All Financial Variables <> 0 or Missing	23,240,529

1	Yes-All Financial Variables = 0 or Missing	1,718
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Notes: This flag identifies records with all financial variables equal 0 or missing.

RF_MD Maryland Residency Indicator (1-MD, 0-non MD)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Non-MD	30,530
1	MD	23,211,717

Notes: This flag identifies MD residents using the patient's ZIP Code. Any patient with at least one prescription service while residing in Maryland is regarded as a Maryland resident. Non-MD residents are excluded from the analysis file.

RF_MEDSUP Medical Supply Indicator(0=No, 1=Yes)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Not a Medical Supply	22,785,945
1	Medical Supply	320,308
9	Unknown	135,994

Notes: This flag identifies medical supply NDCs. Medical supplies products include medical supplies, diagnostic supplies, and nutritional supplements.

RF_MOANAL Mail Order Analysis Flag(1-Analysis, 0-Exclude)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Not Used In Mailorder Analysis	5,688,016
1	Used In Mailorder Analysis	17,554,231

Notes: This variables was created to identify records to be used in the 2004 Maintenance Drug Prescriptions Mail Order Purchase Study as mandated by Senate Bill 885. The mail-order analysis file is different from the regular analysis file because the latter includes the population over 64 years old as well as patients covered by Medicare plan. The following nine criteria were used to exclude records from the mail-order analysis file (excluded records are identified by RF_MOANAL= 0).

- 1) Exclude records not filled in current year (2005). These records are identified by RF_YR06=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2, 3, 4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.

RF_MORDER Mail Order Flag(0=No, 1=Yes)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency

0	Not Mail Order	21,914,299
1	Mail Order	1,327,948

Notes: This flag identifies prescription drugs filled through mail order. Payers were requested to provide a list of mail-order pharmacies (NCPDP number). All the numbers provided were compiled into a master list. The master list was used for all payers regardless of whether or not a payer included an NCPDP in the submitted list.

RF_NDC

NDC Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Matches NDC	23,124,643
1	Not Match NDC	100,701
2	Blank	1,533
3	Zeros (0s)	12,855
4	Nines (9s)	2,515

Notes: The flag identifies NDC codes that do not match with NDC's in the Multum lexicon database.

RF_NDRUG

New Drug Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Branded, new	2,088,806
2	Branded, not new	9,095,349
3	Generic	11,594,062
4	Unknown	464,030

Notes: This flag identifies branded and generic drugs. Drugs are branded new if they were approved in last 4 years. Branded drug without known approval date are classified as branded, not new. The New Drug Flag is 4 either because it is unknown or the product is a medical supply.

RF_NDUP

Duplicate Set W/ at least One Neg. Bill

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other	23,240,627
1	Duplicate Set Include At Least One Negative Charge	1,620

Notes: This flag identifies duplicate sets with at least one member with negative bill charge.

RF_PATID

Patient ID Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Patid=OK	23,242,247

Notes: This flag identifies invalid patient ID.

RF_PAYMD

Payment Category (1=<0,2=0,3=>0,4=.)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Negative Payment	83,424
2	Zero Payment	2,492
3	Positive Payment	23,156,331

Notes: This flag categorizes payment as negative, zero, positive or missing.

RF_PLINK

Pharmacy/Provider Link Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0-Jan	No Link	6,021,098
1-Jan	Link By DEANUM	14,609,353
2	Link By PROVID	2,611,795
3	Link By FEDTAXID	1

Notes: This flag identifies pharmacy records that link with provider file. The pharmacy file is linked to the provider file to extract practitioner's specialty information.

RF_SELF

Self Insurance Coverage Indicator

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Fully Insured Coverage Type	16,576,822
1	Self Insured Coverage Type	4,953,031
2	Other	1,712,394

Notes: This flag categorizes medical coverage into self insured and fully insured.

RF_YR06

Prescription Filled in 2006(1:>=06 0:<06)

Type: Character Length: 1 Variable Source:		
Value	Description	Frequency
0	No - Service Provided in 2006	17,710,612
1	Yes - Service Provided in 2006+	5,531,635

Notes: This flag identifies prescription services filled in 2006.

RF_YR65

Age 65+ Flag(0:<65, 1:>=65, 2:Missing)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0-Jan	Age <65	19,575,020
1	Age >=65	3,665,370
2	Age Missing	1,857

Notes: This flag identifies patients 65 years old and over. The flag is assigned based on the non rounded patient age as of 12/31/2005 (R_NAGE1205). Using rounded age puts 64.51-64.99 year-old patients into the 65+ age category.

RMSCAT

Medical Supply Category

Type: Character Length: 5 Variable Source: Assigned		
Value	Description	Frequency
10010	Bandages	1
10011	Wound Care Supplies	11
10012	Needles Syringes And Injection Supplies	69,764
10013	Blood Glucose Monitoring Supplies	241,614
10014	Urine Tests	699
10016	Nutritional Supplements	1
10017	Diaphragms	977

10020	Respiratory Therapy Supplies	8,650
10025	Bulk Compounding Chemicals	283
10026	Diagnostic Tests	208
10027	Ostomy Supplies	14
10028	Natural Supplements	4
10029	Administration Devices	123
10030	Medical Supplies	898
10032	Homeopathic Medication	7
Missing	Unknown	22,918,993

Notes: This variable contains the medical supply categories. The medical supply category is missing either because it is unknown or the product is a prescription drug.

RN_ZIP_S

Adjusted Pharmacy Zip Code (Using NACDS data)

Type: Character Length: 5 Variable Source: NACDS+Payer-Sub		
Value	Description	Frequency
Missing	Value Missing	18,697
Reported	Value Not Missing	23,223,550

Notes: This variable represents Adjusted Pharmacy Zip Code. NACDS data were used to fill in the pharmacy ZIP Codes where the payer did not provide the field value. About 2 percent of all records with missing pharmacy ZIP Codes were filled using NACDS data. For the payer submitted pharmacy zip code, see RZIP_S.

RPATLIAB

Patient Liability-PL (\$)

Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	76,930
> 500	> 500	3,105
0	0	369,020
101 - 500	101 - 500	173,692
26 - 50	26 - 50	4,066,912
39457	39457	10,232,108
39777	39777	7,437,689
51 - 100	51 - 100	882,791

Notes: This variable contains the amount that the patient is required to pay for a prescription service (i.e. coinsurance, co-payments, and deductibles).

RPATZIP

Patient Residence ZIP Code

Type: Character Length: 5 Variable Source: Payer-Submitted		
Value	Description	Frequency
Missing	Value Missing	13,047
Reported	Value Not Missing	23,229,200

Notes: This variable contains the ZIP Code of patient's residence.

RPAYMENT

Payment = Sum(RA,PL)

Type: Numeric Length: 8 Variable Source: Calculated		
Value	Description	Frequency
< 0	< 0	83,424
> 500	> 500	281,967
0	0	2,492

101 - 500	101 - 500	4,972,651
26 - 50	26 - 50	3,820,422
39457	39457	5,061,503
39777	39777	3,722,359
51 - 100	51 - 100	5,297,429

Notes: This variable contains the total amount paid for a prescription. Payment is the sum of patient liability and reimbursement amount.

RPHARMCTY **Pharmacy County**

Type: Character		Length: 3	Variable Source: Assigned
Value	Description	Frequency	
1	Allegany	228,720	
11	Caroline	114,755	
13	Carroll	661,923	
15	Cecil	251,253	
17	Charles	563,563	
19	Dorchester	148,129	
21	Frederick	1,123,062	
23	Garrett	85,108	
25	Harford	966,010	
27	Howard	1,099,206	
29	Kent	120,925	
3	Anne Arundel	1,907,754	
31	Montgomery	3,768,092	
33	Prince George	3,149,562	
35	Queen Annes	194,860	
37	Saint Marys	373,482	
39	Somerset	40,212	
41	Talbot	226,959	
43	Washington	511,344	
45	Wicomico	354,351	
47	Worcester	227,953	
5	Baltimore	3,156,836	
510	Baltimore City	1,215,840	
9	Calvert	407,211	
999	Missing/Unknown	2,345,137	

Notes: This variable represents the Maryland county in which a pharmacy is located. The Missing/Unknown category includes non-MD pharmacies.

RPHARMGRP **Pharmacy Group**

Type: Character		Length: 1	Variable Source: Assigned
Value	Description	Frequency	
1	Chain	8,744,946	
2	Independent	5,029,054	
3	Super Market/Mass Market	7,149,155	
4	Mail Order	1,327,948	
9	Other-Non MD	991,144	

Notes: This variable represents the pharmacy group category. The categorization is done by grouping one or more chain indicators based MHCC specifications.

RREIMB

Reimbursement Amount-RA (\$)		
Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	60,129
> 500	> 500	250,222
0	0	6,339,707
101 - 500	101 - 500	3,570,585
26 - 50	26 - 50	3,297,473
39457	39457	3,071,341
39777	39777	2,727,181
51 - 100	51 - 100	3,925,609
Notes: This variable contains the amount paid to the pharmacy by a payer.		

RSCRIPT		
Number of Adjusted or 30-day Script		
Type: Character Length: 3 Variable Source: Calculated		
Value	Description	Frequency
1	Drugspl <= 30	18,121,649
2	30 < Drugspl <= 60	1,336,058
3	Drugspl > 60	3,784,540
Notes: This variable represents the number of adjusted 30-day scripts or normalized scripts. Any drug supply of less or equal to 30 counts as one 1 script. Any drug supply between 31 and 60 days counts as two scripts and any supply over 60 days counts as 3 scripts.		

RSEX		
Patient Sex		
Type: Character Length: 1 Variable Source: Payer-Submitted		
Value	Description	Frequency
1	Male	9,212,991
2	Female	14,023,953
3	Payer Code=3 (Not Coded)	5,303
Notes: This variable contains the sex of patient.		

RSPECL1		
Practitioner/Supplier Specialty-1		
Type: Character Length: 3 Variable Source: Payer-Submitted		
Value	Description	Frequency
1	General Practice	76,774
10	Gastroenterology	214,799
100	Neonatology	533
101	Multi-Specialty Medical Practice	2,006,334
11	Geriatrics	7,825
12	Hand Surgery	1,856
13	Hematology	27,821
14	Internal Medicine	5,976,297
15	Infectious Disease	41,021
16	Nephrology	80,330
17	Neurology	198,639
18	Nuclear Medicine	280
19	Oncology	51,979
2	General Surgery	118,471
20	Ophthalmology	147,543
21	Orthopedic Surgery	215,257

22	Osteopathy (include manipulations)	336
23	Otology/Laryngo/Rhino/Otolaryngo	126,016
24	Pathology	32,989
25	Pediatrics	900,843
26	Peripheral Vascular Disease/Surgery	643
27	Plastic Surgery	30,577
28	Physical Medicine & Rehabilitation	57,807
29	Proctology	3
3	Allergy & Immunology	113,240
30	Psychiatry	531,056
31	Pulmonary Disease	101,876
32	Radiology	13,765
33	Rheumatology	142,148
34	Surgical Specialty Not Listed Here	55,649
35	Thoracic Surgery	2,796
36	Urology	123,601
37	Misc Special (pub health/indusl med)	4,146
38	Physician w/o Identfd Spec/Not Listd	26,365
39	Obstetrics/Gynecology	824,597
4	Anesthesiology	33,302
40	Acupuncturist	474
41	Alcohol/Drug Detox Services	24,375
42	Ambulance Services	204
44	Chiropractor	407
48	Home Health Provider	55,657
5	Cardiology	335,018
50	Advanced Practice Nurse: Midwife	9,782
51	Advancd Practice Nurse: Nurse Practitioner	115,105
52	Advd Practice Nurse: Psychotherapist	43
53	Nurse Other than Advanced Practice	463
54	Occupational Therapist	3
55	Optometrist	29,820
56	Podiatrist	59,474
57	Physical Therapist	2,615
58	Psychologist	8,263
59	Clinical Social Worker	2,873
6	Dermatology	279,275
60	Pub Health/Welf Agy-fed & local govt	16
62	Other Specialty Not Listed Above	1,518
7	Emergency Medicine	150,482
70	General Dentist	144,788
71	Endodontist	14,465
72	Orthodontist	971
73	Oral Surgeon	51,453
74	Pedodontist	3,613
75	Periodontist	17,649
76	Prosthodontist	337
8	Endocrinology Medicine	161,293
80	Freestanding Pharmacy incl grocery	429,486
82	Independent Laboratory	2
83	Independent Medical Supply Company	676
84	Optician/Optometrist	28
85	All Other Supplies	5,808
9	Family Practice	2,938,642
90	Freestanding Medical Facility	23,793
93	Other Facility	64,764

Missing	Value Missing	6,021,098
Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.		

RSPECL2 Practitioner/Supplier Specialty-2		
Type: Character	Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency
1	General Practice	288,285
10	Gastroenterology	43,907
100	Neonatology	11,765
102	Mental Health Clinic	138
11	Geriatrics	211,832
12	Hand Surgery	13,756
13	Hematology	54,302
14	Internal Medicine	1,077,428
15	Infectious Disease	69,762
16	Nephrology	68,425
17	Neurology	32,437
18	Nuclear Medicine	2,804
19	Oncology	37,043
2	General Surgery	42,621
20	Ophthalmology	11,416
21	Orthopedic Surgery	12,557
22	Osteopathy (include manipulations)	9,077
23	Otology/Laryngo/Rhino/Otolaryngo	8,193
24	Pathology	33,098
25	Pediatrics	282,856
26	Peripheral Vascular Disease/Surgery	14,288
27	Plastic Surgery	8,798
28	Physical Medicine & Rehabilitation	12,190
29	Proctology	4,837
3	Allergy & Immunology	43,809
30	Psychiatry	32,220
31	Pulmonary Disease	81,358
32	Radiology	11,724
33	Rheumatology	28,642
34	Surgical Specialty Not Listed Here	51,642
35	Thoracic Surgery	3,740
36	Urology	8,005
37	Misc Special (pub health/indusl med)	17,980
38	Physician w/o Identfd Spec/Not Listd	283,270
39	Obstetrics/Gynecology	54,073
4	Anesthesiology	49,873
40	Acupuncturist	21,431
41	Alcohol/Drug Detox Services	10,478
44	Chiropractor	16,315
49	Advanced Practice Nurse: Anesthetist	20
5	Cardiology	67,980
50	Advanced Practice Nurse: Midwife	4,387
51	Advancd Practice Nurse: Nurse Practitioner	49,601
52	Advd Practice Nurse: Psychotherapist	4,257
53	Nurse Other than Advanced Practice	6,982
54	Occupational Therapist	158

55	Optometrist	2,606
56	Podiatrist	6,902
57	Physical Therapist	21,822
58	Psychologist	142,991
59	Clinical Social Worker	8,597
6	Dermatology	5,433
60	Pub Health/Welf Agy-fed & local govt	12
62	Other Specialty Not Listed Above	40,700
7	Emergency Medicine	1,230,077
70	General Dentist	42,011
71	Endodontist	1,309
72	Orthodontist	20
73	Oral Surgeon	16,719
74	Pedodontist	280
75	Periodontist	861
76	Prosthodontist	55
8	Endocrinology Medicine	63,510
80	Freestanding Pharmacy incl grocery	2,190,130
82	Independent Laboratory	675
83	Independent Medical Supply Company	237
84	Optician/Optometrist	1,248
9	Family Practice	314,536
90	Freestanding Medical Facility	1,934
91	Freestanding Surgical Facility	283
92	Freestanding Imaging Center	1
93	Other Facility	1,918
Missing	Value Missing	15,947,620

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RSPECL3

Practitioner/Supplier Specialty-3

Type: Character		Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	General Practice	42,730	
10	Gastroenterology	213	
100	Neonatology	15,790	
11	Geriatrics	54,811	
12	Hand Surgery	2,235	
13	Hematology	9,282	
14	Internal Medicine	158,634	
15	Infectious Disease	3,638	
16	Nephrology	1,102	
17	Neurology	6,484	
18	Nuclear Medicine	1,062	
19	Oncology	11,888	
2	General Surgery	13,104	
20	Ophthalmology	2,934	
21	Orthopedic Surgery	338	
22	Osteopathy (include manipulations)	3,190	
23	Otology/Laryngo/Rhino/Otolaryngo	5,870	
24	Pathology	12,850	
25	Pediatrics	43,790	
26	Peripheral Vascular Disease/Surgery	2,710	

27	Plastic Surgery	1,613
28	Physical Medicine & Rehabilitation	15,754
29	Proctology	1,493
3	Allergy & Immunology	1,392
30	Psychiatry	15,311
31	Pulmonary Disease	6,381
32	Radiology	4,854
33	Rheumatology	418
34	Surgical Specialty Not Listed Here	9,977
35	Thoracic Surgery	4,549
36	Urology	91
37	Misc Special (pub health/indusl med)	983
38	Physician w/o Identfd Spec/Not Listd	343,936
39	Obstetrics/Gynecology	9,813
4	Anesthesiology	3,073
40	Acupuncturist	705
41	Alcohol/Drug Detox Services	94
44	Chiropractor	7,662
47	Dietitian/Licensed Nutritionist	119
49	Advanced Practice Nurse: Anesthetist	3
5	Cardiology	4,481
50	Advanced Practice Nurse: Midwife	91
51	Advancd Practice Nurse: Nurse Practitioner	11,147
52	Advd Practice Nurse: Psychotherapist	270
53	Nurse Other than Advanced Practice	475
54	Occupational Therapist	1,763
55	Optometrist	5,758
56	Podiatrist	1,351
57	Physical Therapist	8,417
58	Psychologist	30,860
59	Clinical Social Worker	15,254
6	Dermatology	1,309
60	Pub Health/Welf Agy-fed & local govt	2,772
62	Other Specialty Not Listed Above	23,196
7	Emergency Medicine	322,939
70	General Dentist	37,237
71	Endodontist	6,091
72	Orthodontist	742
73	Oral Surgeon	1,263
74	Pedodontist	198
75	Periodontist	635
8	Endocrinology Medicine	371
80	Freestanding Pharmacy incl grocery	1,015,016
82	Independent Laboratory	2,188
83	Independent Medical Supply Company	9,879
84	Optician/Optometrist	303
9	Family Practice	52,095
90	Freestanding Medical Facility	9,738
Missing	Value Missing	20,855,532

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RZIP_S
Pharmacy ZIP Code

Type: Character		Length: 5	Variable Source: Payer-Submitted
Value	Description	Frequency	
Missing	Value Missing	64,572	
Reported	Value Not Missing	23,177,675	
Notes: This variable contains the ZIP Code of pharmacy where prescription was dispensed.			

**2004 Maryland Medical Care Database
MCDB Pharmacy file
MCDBRX04_V3.SAS7BDAT**

Contents Output

Data Set Name	IN2.MCDBRX04_V3	Observations	23852095			
Member Type	DATA	Variables	65			
Engine	V9	Indexes	0			
Created	Thu, Dec 06, 2007 10:36:37 AM	Observation Length	246			
Last Modified	Thu, Dec 06, 2007 10:36:37 AM	Deleted Observations	0			
Protection		Compressed	BINARY			
Data Set Type		Reuse Space	NO			
Label		Point to Observations	YES			
Data Representation	WINDOWS_32	Sorted	NO			
Encoding	wlatin1 Western (Windows)					
Engine/Host Dependent Information						
Data Set Page Size	12288					
Number of Data Set Pages	391435					
Number of Data Set Repairs	0					
File Name	D:\Mcdb\Pharmacy\Special\data\mcdbrx04_v3.sas7bdat					
Release Created	9.0101M3					
Host Created	XP_PRO					
Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
53	APPRDATE	Num	8			FDA Approval Date
64	CHNIND	Char	1			Chain Indicator
31	DEANUM	Char	11			Practitioner DEA#
35	DRUGQTY	Num	4			Drug Quantity (No. of Units Dispensed)
36	DRUGSPL	Num	3			Drug Supply (Est. # of Supply Days)

51	DRUG_ID	Char	6	\$6.	\$6.	Multum Drug ID
41	FILLDATE	Num	8			Date Prescription Filled
16	FILLDD	Char	2			Day Prescription Filled
17	FILLMO	Char	2			Month Prescription Filled
18	FILLYR	Char	4			Year Prescription Filled
52	GB0	Char	1	\$1.	\$1.	Generic/Brand Indicator
50	MMDC	Char	5			Main Multum Drug Code
55	MULTDC1	Char	3			Multum Drug Category 1
56	MULTDC2	Char	3			Multum Drug Category 2
57	MULTDC3	Char	3			Multum Drug Category 3
58	MULTDC4	Char	3			Multum Drug Category 4
19	NCPDP	Char	7			Pharmacy Number (NCPDP)
20	NDC	Char	12			National Drug Code (NDC-11 Chars)
48	NDCLABL	Char	9			Labeler-Product Code(Chars 1-9 of NDC)
49	NDCPACK	Char	2			Package Code(Chars 10-11 of NDC)
21	PATID	Char	14			Patient ID, Encrypted
13	PIDBDG	Char	25			Unique Patient ID
12	PNUM	Char	4			Payer Unique ID
5	RAGE	Num	3			Patient Age at Service
6	RAGE1204	Num	3			Patient Age as of 12/31/2004
32	RBILL	Num	8			Billed Charge-BC (\$)
23	RBIRTHMO	Char	2			Patient Birth Month
24	RBIRTHYR	Char	4			Patient Birth Year
15	RCOVTYPE	Char	1			Coverage Type (From Encounter File)
14	RDELIVTYP	Char	1			Delivery System(From Encounter File)
38	RF_10K	Char	1			Flag for Payment > 10K
3	RF_ANAL	Char	1			Analysis Flag(1-Analysis, 0-Exclude)
47	RF_COV17	Char	1			Medicare Coverage Flag

1	RF_DBC	Char	1			Debit/Credit Flag
63	RF_DEA	Char	1			Deanum(1=Valid, 0=Other, 2=Blank)
7	RF_ELINK	Char	1			Pharmacy/Encounter Link Flag(1/0)
28	RF_FINMS	Char	1			All 3 Financial Vars=0/Missing (1/0)
40	RF_MD	Char	1			Maryland Residency Indicator (1-MD, 0-non MD)
54	RF_MEDSUP	Char	1			Medical Supply Indicator(0=No, 1=Yes)
46	RF_MOANAL	Char	1			Mail Order Analysis Flag(1-Analysis, 0-Exclude)
59	RF_MORDER	Char	1			Mail Order Flag(0=No, 1=Yes)
4	RF_NDC	Char	1			NDC Flag
61	RF_NDRUG	Char	1			New Drug Flag
2	RF_NDUP	Char	1			Duplicate Set W/ at least One Neg. Bill
39	RF_PATID	Char	1			Patient ID Flag
29	RF_PAYMD	Char	1			Payment Category (1=<0,2=0,3=>0,4=.)
8	RF_PLINK	Char	1			Pharmacy/Provider Link Flag
43	RF_SELF	Char	1			Self Insurance Coverage Indicator
27	RF_YR05	Char	1			Prescription Filled in 2004(1:>=05 0:<05)
62	RF_YR65	Char	1			Age 65+ Flag(0:<65, 1:>=65, 2:Missing)
60	RMSCAT	Char	5			Medical Supply Category
44	RN_ZIP_S	Char	5			Adjusted Pharmacy Zip Code (Using NACDS data)
34	RPATLIAB	Num	8			Patient Liability-PL (\$)
25	RPATZIP	Char	5			Patient Residence ZIP Code
37	RPAYMENT	Num	8			Payment = Sum(RA,PL)
42	RPHARMCTY	Char	3			Pharmacy County
65	RPHARMGRP	Char	1			Pharmacy Group
33	RREIMB	Num	8			Reimbursement Amount-RA (\$)
45	RSCRIPT	Num	3			Number of Adjusted or 30-day Script
26	RSEX	Char	1			Patient Sex
9	RSPECL1	Char	3			Practitioner/Supplier Specialty-1

10	RSPECL2	Char	3			Practitioner/Supplier Specialty-2
11	RSPECL3	Char	3			Practitioner/Supplier Specialty-3
22	RZIP_S	Char	5			Pharmacy ZIP Code
30	R_NAGE1204	Num	3			Patient Age as of 12/31/2004 (Not Rounded)

**2004 Maryland Medical Care Database
MCDB Pharmacy File
MCDBRX04_V3.SAS7BDAT**

Codebook

APPRDATE FDA Approval Date		
Type: Date	Length: 8	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Date Components Incomplete	1,552,089
Reported	Date Components Complete	22,300,006
Notes: This variable represents the drug approval date by FDA.		

CHNIND Chain Indicator		
Type: Character	Length: 1	Variable Source: Assigned
Value	Description	Frequency
A	In Associations, Like Epic	457,576
C	Chain Drug Stores	8,700,189
D	Mass Merchants	1,733,362
G	Super Markets	5,867,104
I	Independent Drug Stores	2,878,976
M	Mail Order	1,180,137
O	Other Non MD Pharmacies	875,490
U	Institution/Practice Based Pharmacies	1,916,221
X	Other MD Pharmacy	243,040
Notes: This variable represents a chain indicator. Non-Maryland pharmacies category does not include mail-order pharmacies. Other Maryland pharmacies are pharmacies located in Maryland for which there is no known category		

DEANUM Practitioner DEA#		
Type: Character	Length: 11	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	5,521,396
Reported	Value Not Missing	18,330,699
Notes: This variable represents Drug Enforcement Agency number (DEA #). The DEA # is assigned to providers registered under the Controlled Substance Act by the Drug Enforcement Administration of the U.S. Department of Justice. DEA number is used as a unique practitioner identifier in the Pharmacy Database.		

DRUG_ID Multum Drug ID		
Type: Character	Length: 6	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Value Missing	602,510
Reported	Value Not Missing	23,249,585
Notes: This variable represents the Drug Identification Number. Each code is written in the form "d#####" and identifies a unique generic drug. The Drug Identification Number is missing either because it is unknown or the product is a medical supply.		

DRUGQTY Drug Quantity (No. of Units Dispensed)		
Type: Numeric Length: 4 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	17,819
0	0	151,090
30-Jan	30-Jan	12,997,869
31 - 60	31 - 60	4,364,729
61 - 90	61 - 90	3,467,722
90+	> 90	2,852,866
Notes: This variable represents the number of units of drug dispensed.		

DRUGSPL Drug Supply (Est. # of Supply Days)		
Type: Numeric Length: 3 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	17,821
0-Jan	0-Jan	170,137
31 - 60	31 - 60	1,532,941
39477	39477	18,482,461
61 - 90	61 - 90	3,585,965
90+	> 90	62,770
Notes: This variable represents the estimated number of days of dispensed supply.		

FILLDATE Date Prescription Filled		
Type: Date Length: 8 Variable Source: Calculated		
Value	Description	Frequency
Reported	Date Components Complete	23,852,095
Notes: This variable represents the date a prescription was filled.		

FILLDD Day Prescription Filled		
Type: Character Length: 2 Variable Source: Payer-Submitted		
Value	Description	Frequency
01 thru 31	Day = 01-31	23,852,095
Notes: This variable represents the day a prescription was filled.		

FILLMO Month Prescription Filled		
Type: Character Length: 2 Variable Source: Payer-Submitted		
Value	Description	Frequency
01 thru 12	Month = 01-12	23,852,095
Notes: This variable represents the month a prescription was filled.		

FILLYR Year Prescription Filled		
Type: Character Length: 4 Variable Source: Payer-Submitted		
Value	Description	Frequency
2004	Year = 2004	17,912,725

2005	Year = 2005	5,939,370
Notes: This variable represents the year a prescription was filled.		

GB0 Generic/Brand Indicator		
Type: Character	Length: 1	Variable Source: Multum Lexicon
Value	Description	Frequency
G	Generic	11,007,210
Missing	Unknown	602,510
N	Brand	12,242,375
Notes: This variable represents the year a prescription was filled. Year 2004 includes prescription drugs filled for the whole year but Year 2005 includes only prescription drugs filled from January 1, 2005 through April 30, 2005		

MMDC Main Multum Drug Code		
Type: Character	Length: 5	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Unknown	602,510
Reported	Value Not Missing	23,249,585
Notes: This variable represents the main Multum drug code (MMDC). Each code is a unique combination of active ingredient(s), strength, route of administration, and dosage form. This variable is used to identify drugs that share the above 4 characteristics across different manufacturers and labels. The main Multum drug code is missing either because it is unknown or the product is a medical supply.		

MULTDC1 Multum Drug Category 1		
Type: Character	Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency
10	Leprostatics	3,547
100	Miscellaneous Hormones	64,520
102	Contraceptives	961,923
103	Thyroid Drugs	537,025
104	Immunosuppressive Agents	34,379
106	Antidotes	3,451
107	Chelating Agents	3,856
108	Cholinergic Muscle Stimulants	2,101
109	Local Injectable Anesthetics	9
110	Miscellaneous Uncategorized Agents	14,093
111	Psoralens	822
116	Iron Products	124,420
117	Minerals And Electrolytes	172,879
118	Oral Nutritional Supplements	242
119	Vitamins	91,788
12	Miscellaneous Antibiotics	87,500
120	Vitamin And Mineral Combinations	40,784
121	Intravenous Nutritional Products	54
123	Antihistamines	468,203
124	Antitussives	38,250
126	Methylxanthines	14,196
127	Decongestants	2
128	Expectorants	1,007
129	Miscellaneous Respiratory Agents	797
131	Antiasthmatic Combinations	8

132	Upper Respiratory Combinations	536,598
134	Anorectal Preparations	9,897
135	Antiseptic And Germicides	22,728
137	Topical Anti-Infectives	30,127
138	Topical Steroids	354,596
139	Topical Anesthetics	39,946
14	Quinolones	312,176
140	Miscellaneous Topical Agents	63,611
141	Topical Steroids With Anti-Infectives	55,627
143	Topical Acne Agents	227,542
144	Topical Antipsoriatics	19,266
146	Mouth And Throat Products	20,253
15	Sulfonamides	8,256
150	Sterile Irrigating Solutions	188
153	Plasma Expanders	2
154	Loop Diuretics	174,570
155	Potassium-Sparing Diuretics	36,950
156	Thiazide Diuretics	354,009
157	Carbonic Anhydrase Inhibitors	5,025
159	First Generation Cephalosporins	161,301
16	Tetracyclines	182,111
160	Second Generation Cephalosporins	68,373
161	Third Generation Cephalosporins	65,843
162	Fourth Generation Cephalosporins	4
163	Ophthalmic Anti-Infectives	121,959
164	Ophthalmic Glaucoma Agents	144,947
165	Ophthalmic Steroids	28,364
166	Ophthalmic Steroids With Anti-Infectives	26,411
167	Ophthalmic Anti-Inflammatory Agents	20,461
168	Ophthalmic Lubricants And Irrigations	101
169	Miscellaneous Ophthalmic Agents	2
17	Urinary Anti-Infectives	58,858
170	Otic Anti-Infectives	10,772
171	Otic Steroids With Anti-Infectives	43,142
172	Miscellaneous Otic Agents	9,775
173	HMG-CoA Reductase Inhibitors	1,019,634
175	Protease Inhibitors	14,836
176	NRTIs	23,664
177	Miscellaneous Antivirals	2,028
178	Skeletal Muscle Relaxants	262,430
179	Skeletal Muscle Relaxant Combinations	1,910
18	Aminoglycosides	2,752
180	Adrenergic Bronchodilators	365,013
181	Bronchodilator Combinations	192,851
182	Androgens And Anabolic Steroids	22,410
183	Estrogens	198,349
184	Gonadotropins	9,940
185	Progestins	59,840
186	Sex Hormone Combinations	56,147
187	Miscellaneous Sex Hormones	8,941
191	Narcotic Analgesic Combinations	929,876
192	Antirheumatics	40,929
193	Antimigraine Agents	128,602
194	Antigout Agents	79,474
195	5HT3 Receptor Antagonists	17,562
196	Phenothiazine Antiemetics	21,239

197	Anticholinergic Antiemetics	16,502
198	Miscellaneous Antiemetics	2,767
199	Hydantoin Anticonvulsants	30,356
2	Amebicides	67,185
200	Succinimide Anticonvulsants	741
204	Miscellaneous Anticonvulsants	264,961
205	Anticholinergic Antiparkinson Agents	7,569
208	SSRI Antidepressants	892,079
209	Tricyclic Antidepressants	125,249
21	Alkylating Agents	1,907
210	Phenothiazine Antipsychotics	3,419
211	Platelet Aggregation Inhibitors	114,941
213	Sulfonylureas	222,590
214	Non-Sulfonylureas	249,502
215	Insulin	187,820
216	Alpha-Glucosidase Inhibitors	2,933
217	Bisphosphonates	189,666
219	Nutraceutical Products	1,168
22	Antibiotics/Antineoplastics	12
220	Herbal Products	3
222	Penicillinase Resistant Penicillins	5,101
223	Antipseudomonal Penicillins	53
224	Aminopenicillins	484,691
225	Beta-Lactamase Inhibitors	236,734
226	Natural Penicillins	86,523
227	NNRTIs	10,190
228	Adamantane Antivirals	5,965
229	Purine Nucleosides	147,839
23	Antimetabolites	38,305
231	Nicotinic Acid Derivatives	3,590
232	Rifamycin Derivatives	1,656
233	Streptomyces Derivatives	2
234	Miscellaneous Antituberculosis Agents	397
235	Polyenes	59
236	Azole Antifungals	111,745
237	Miscellaneous Antifungals	38,773
238	Aminoquinolones	15,968
239	Miscellaneous Antimalarials	61
24	Hormones/Antineoplastics	113,081
240	Lincomycin Derivatives	48,569
241	Fibric Acid Derivatives	97,610
243	Leukotriene Modifiers	159,665
244	Nasal Lubricants And Irrigations	5
245	Nasal Steroids	372,298
246	Nasal Antihistamines And Decongestants	25,767
248	Topical Emollients	15,904
25	Miscellaneous Antineoplastics	17,200
250	Monoamine Oxidase Inhibitors	2,148
252	Bile Acid Sequestrants	16,813
253	Anorexants	596
256	Interferons	10,801
257	Monoclonal Antibodies	4,719
26	Mitotic Inhibitors	172
261	Heparins	10,304
262	Coumarins And Indandiones	116,298
263	Impotence Agents	160,745

264	Urinary Antispasmodics	71,810
265	Urinary Ph Modifiers	4,422
266	Miscellaneous Genitourinary Tract Agents	28,248
267	Ophthalmic Antihistamines And Decongestants	58,164
268	Vaginal Anti-Infectives	37,623
269	Miscellaneous Vaginal Agents	297
270	Antipsoriatics	1,226
271	Thiazolidinediones	143,297
272	Proton Pump Inhibitors	621,313
274	Cardioselective Beta Blockers	623,805
275	Non-Cardioselective Beta Blockers	123,010
276	Dopaminergic Antiparkinsonism Agents	30,849
277	5-Aminosalicylates	35,424
278	Cox-2 Inhibitors	204,275
279	Gonadotropin Releasing Hormones	94
280	Thioxanthenes	845
281	Neuraminidase Inhibitors	10,512
282	Meglitinides	13,286
284	Viscosupplementation Agents	409
286	Mydriatics	3,668
287	Ophthalmic Anesthetics	27
288	5-Alpha-Reductase Inhibitors	19,979
290	Topical Antibiotics	55,727
291	Topical Antivirals	18,752
292	Topical Antifungals	101,694
293	Glucose Elevating Agents	1
295	Growth Hormones	4,053
296	Inhaled Corticosteroids	102,063
298	Mast Cell Stabilizers	2,667
299	Anticholinergic Bronchodilators	23,830
3	Anthelmintics	3,836
300	Corticotropin	34
301	Glucocorticoids	297,855
302	Mineralocorticoids	3,752
303	Agents For Pulmonary Hypertension	221
304	Macrolides	487,523
305	Ketolides	18,558
306	Phenylpiperazine Antidepressants	87,573
307	Tetracyclic Antidepressants	28,192
308	Ssri Antidepressants	161,380
31	Bacterial Vaccines	227
311	Dibenzazepine Anticonvulsants	49,308
312	Cholinergic Agonists	2,583
313	Cholinesterase Inhibitors	21,844
314	Antidiabetic Combinations	79,917
316	Cholesterol Absorption Inhibitors	77,878
317	Antihyperlipidemic Combinations	20,550
32	Colony Stimulating Factors	2,516
320	smoking cessation agents	2,392
323	antineoplastic monoclonal antibodies	24
324	antineoplastic interferons	463
325	sclerosing agents	1
327	antiviral combinations	11,600
328	antimalarial combinations	3,510
329	antituberculosis combinations	7
33	Immune Globulins	119

330	antiviral interferons	5,484
333	iodinated contrast media	3
336	non-iodinated contrast media	210
34	In Vivo Diagnostic Biologicals	8
340	aldosterone receptor antagonists	711
341	atypical antipsychotics	115,520
343	tyrosine kinase inhibitors	2,036
36	Recombinant Human Erythropoietins	8,455
37	Toxoids	2
38	Viral Vaccines	137
39	Miscellaneous Biologicals	10
41	Agents For Hypertensive Emergencies	28
42	Angiotensin Converting Enzyme Inhibitors	659,774
43	Antiadrenergic Agents, Peripherally Acting	125,544
44	Antiadrenergic Agents, Centrally Acting	73,255
45	Antianginal Agents	80,972
46	Antiarrhythmic Agents	27,201
48	Calcium Channel Blocking Agents	553,727
50	Inotropic Agents	49,260
51	Miscellaneous Cardiovascular Agents	8,767
52	Peripheral Vasodilators	418
53	Vasodilators	13,793
54	Vasopressors	19,046
55	Antihypertensive Combinations	698,854
56	Angiotensin II Inhibitors	274,175
59	Miscellaneous Analgesics	55,850
60	Narcotic Analgesics	199,922
61	Nonsteroidal Anti-Inflammatory Agents	630,734
62	Salicylates	4,051
63	Analgesic Combinations	83,030
68	Barbiturates	8,023
69	Benzodiazepines	493,315
70	Miscellaneous Anxiolytics, Sedatives And Hypnotics	272,664
71	CNS Stimulants	345,573
72	General Anesthetics	4
76	Miscellaneous Antidepressants	221,678
77	Miscellaneous Antipsychotic Agents	36,684
79	Psychotherapeutic Combinations	4,349
8	Carbapenems	34
80	Miscellaneous Central Nervous System Agents	5,953
85	Miscellaneous Coagulation Modifiers	4,330
88	Antacids	170
89	Anticholinergics/Antispasmodics	70,932
90	Antidiarrheals	17,034
91	Digestive Enzymes	6,205
92	Gallstone Solubilizing Agents	5,392
93	GI Stimulants	32,575
94	H2 Antagonists	136,011
95	Laxatives	78,485
96	Miscellaneous GI Agents	36,173
Missing	Unknown	602,510

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 1.

MULTDC2

Multum Drug Category 2		
Type: Character	Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency
102	Contraceptives	63,520
109	Local Injectable Anesthetics	61
110	Miscellaneous Uncategorized Agents	17,101
117	Minerals And Electrolytes	192
12	Miscellaneous Antibiotics	64,874
120	Vitamin And Mineral Combinations	124,236
123	Antihistamines	43,479
124	Antitussives	845
127	Decongestants	5
129	Miscellaneous Respiratory Agents	2,631
140	Miscellaneous Topical Agents	19,043
146	Mouth And Throat Products	21,154
15	Sulfonamides	83,922
158	Miscellaneous Diuretics	1
17	Urinary Anti-Infectives	10
174	Miscellaneous Antihyperlipidemic Agents	25,529
179	Skeletal Muscle Relaxant Combinations	151
18	Aminoglycosides	40
182	Androgens And Anabolic Steroids	129
183	Estrogens	2
185	Progestins	11,769
186	Sex Hormone Combinations	207,688
192	Antirheumatics	36,699
196	Phenothiazine Antiemetics	57,769
197	Anticholinergic Antiemetics	7,763
198	Miscellaneous Antiemetics	32,575
201	Barbiturate Anticonvulsants	7,623
203	Benzodiazepine Anticonvulsants	279,001
204	Miscellaneous Anticonvulsants	4,351
209	Tricyclic Antidepressants	8,984
210	Phenothiazine Antipsychotics	21,234
211	Platelet Aggregation Inhibitors	7,558
235	Polyenes	15,631
236	Azole Antifungals	4,348
238	Aminoquinolones	27,531
239	Miscellaneous Antimalarials	103,519
248	Topical Emollients	1,514
25	Miscellaneous Antineoplastics	1,323
253	Anorexiants	4,458
257	Monoclonal Antibodies	5
263	Impotence Agents	2,753
264	Urinary Antispasmodics	381
265	Urinary Ph Modifiers	4
266	Miscellaneous Genitourinary Tract Agents	17
268	Vaginal Anti-Infectives	96,383
269	Miscellaneous Vaginal Agents	34,327
272	Proton Pump Inhibitors	1,019
276	Dopaminergic Antiparkinsonism Agents	6,488
277	5-Aminosalicylates	8,055
286	Mydriatics	44
289	Antihyperuricemic Agents	51,842
290	Topical Antibiotics	9,074

292	Topical Antifungals	1,659
293	Glucose Elevating Agents	2,145
297	Mucolytics	702
301	Glucocorticoids	37,204
303	Agents For Pulmonary Hypertension	117,864
317	Antihyperlipidemic Combinations	4,286
320	smoking cessation agents	221,678
340	aldosterone receptor antagonists	35,972
53	Vasodilators	44,484
Missing	Unknown	21,867,446

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 2.

MULTDC3

Multum Drug Category 3

Type: Character Length: 3 Variable Source: Multum Lexicon		
Value	Description	Frequency
180	Adrenergic Bronchodilators	19,041
185	Progestins	63,520
197	Anticholinergic Antiemetics	925
204	Miscellaneous Anticonvulsants	28
265	Urinary Ph Modifiers	158
270	Antipsoriatics	27,459
Missing	Unknown	23,740,964

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 3.

MULTDC4

Multum Drug Category 4

Type: Character Length: 3 Variable Source: Multum Lexicon		
Value	Description	Frequency
205	Anticholinergic Antiparkinson Agents	925
Missing	Unknown	23,851,170

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 4.

NCPDP

Pharmacy Number (NCPDP)

Type: Character Length: 7 Variable Source: Payer-Submitted		
Value	Description	Frequency
Missing	Value Missing	12,229
Reported	Value Not Missing	23,839,866

Notes: This variable contains a 7-digit number assigned by National Council for prescription Drug program. This number identifies dispensing pharmacies. This variable is a unique identifier of a pharmacy. It is also used to identify mail-order pharmacy (see RF_MORDER) , chain indicator (see CHNIND), and pharmacy group (see PHARMGRP).

NDC

National Drug Code (NDC-11 Chars)

Type: Character Length: 12 Variable Source: Payer-Submitted		
Value	Description	Frequency
Reported	Value Not Missing	23,852,095

Notes: This variable contains the National Drug Code (NDC). The NDC is an 11-digit that identifies each marketed

drug/product (including medical supplies). The first 5 numbers identify the manufacturer of a product. The second 4 numbers identify the product, and the last 2 numbers identify the package size of that product.

NDCLABL

Labeler-Product Code(Chars 1-9 of NDC)

Type: Character Length: 9 Variable Source: Assigned		
Value	Description	Frequency
Missing	Value Missing	280,310
Reported	Value Not Missing	23,571,785

Notes: This variable contains the first 9 of the 11 digits of the NDC code. The first 5 numbers identify the manufacturer of a product and the second 4 numbers identify the product.

NDCPACK

Package Code(Chars 10-11 of NDC)

Type: Character Length: 2 Variable Source: Assigned		
Value	Description	Frequency
Missing	Value Missing	280,310
Reported	Value Not Missing	23,571,785

Notes: This variable contains the last 2 of the 11 digits of the NDC code or package code.

PATID

Patient ID, Encrypted

Type: Character Length: 14 Variable Source: Assigned		
Value	Description	Frequency
Missing	Value Missing	1,448
Reported	Value Not Missing	23,850,647

Notes: This variable represents the encrypted patient ID. The patient ID is assigned by a payer. Some payers assign the same patient ID to all members of a policy, making the ID not unique. For unique patient ID, see PIDBDG.

PIDBDG

Unique Patient ID

Type: Character Length: 25 Variable Source: Assigned		
Value	Description	Frequency
Missing	Value Missing	1,448
Reported	Value Not Missing	23,850,647

Notes: Some payers assign the same Patient ID to all members of a policy, making the ID not unique. PIDBDG is a unique patient identifier consisting of encrypted patient ID, Year of Birth, Month of Birth and Gender.

PNUM

Payer Unique ID

Type: Character Length: 4 Variable Source: Assigned		
Value	Description	Frequency
P020	Aetna Life & Health Insurance Co.	876,609
P030	Aetna U.S. Healthcare	1,769,214
P070	American Republic Insurance Co.	12,225
P130	CareFirst BlueChoice, Inc.	5,597,872
P131	CareFirst of Maryland, Inc.	4,182,108
P160	CIGNA Healthcare Mid-Atlantic, Inc.	1,326,202
P280	Time Insurance Co.	11,149
P325	Graphic Arts Benefit Corporation	41,903
P330	Great-West Life & Annuity Insurance Co.	6,480

P350	Guardian Life Insurance Co. of America	223,339
P471	Unicare Life & Health Insurance Co.	132,258
P480	Kaiser Foundation Health Plan of Mid-Atlantic	2,617,903
P500	MAMSI Life and Health Insurance Co.	1,024,408
P510	Maryland Fidelity Insurance Co.	362,371
P520	MD-Individual Practice Association, Inc.	1,478,492
P530	MEGA Life & Health Insurance Co.	73,572
P620	Optimum Choice, Inc.	2,806,959
P680	Coventry Healthcare of Delaware, Inc.	308,036
P760	State Farm Mutual Automobile Insurance Co.	51,575
P820	United Healthcare Insurance Co.	785,766
P830	Trustmark Insurance Co.	1,715
P850	Union Labor Life Insurance Co.	55,298
P870	United Healthcare of the Mid-Atlantic, Inc.	106,641

Notes: This variable represents the payer's unique identifier. This identifier is assigned by MHCC.

R_NAGE1204

Patient Age as of 12/31/2004 (Not Rounded)

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	1,979,600
18 - 64	18 - 64	17,518,779
65 - 110	65 - 110	4,350,061
Missing	Missing	3,655

Notes: Notes: This variable represents the non-rounded age of a patient as of December 31, 2004. Ages calculated to be less than 0 or greater than 110 have been set to missing. For rounded age, see RAGE1204.

RAGE

Patient Age at Service

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	2,120,336
18 - 64	18 - 64	17,668,472
65 - 110	65 - 110	4,061,809
Missing	Missing	1,478

Notes: This variable represents the rounded age of a patient at the time of prescription fill-up. Ages calculated to be less than 0 or greater than 110 have been set to missing.

RAGE1204

Patient Age as of 12/31/2004

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	2,064,525
18 - 64	18 - 64	17,613,680
65 - 110	65 - 110	4,172,425
Missing	Missing	1,465

Notes: This variable represents the rounded age of a patient as of December 31, 2004. Ages calculated to be less than 0 or greater than 110 have been set to missing. For the non-rounded age, see R_NAGE1204.

RBILL

Billed Charge-BC (\$)

Type: Numeric Length: 8 Variable Source: Payer-Submitted		
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Value	Description	Frequency
< 0	< 0	201,967
> 500	> 500	307,600
0	0	141
101 - 500	101 - 500	5,385,185
26 - 50	26 - 50	4,219,696
39457	39457	3,950,914
39777	39777	3,756,468
51 - 100	51 - 100	6,030,124

Notes: Billed charge is the drug retail amount (including dispensing fees and administrative costs).

RBIRTHMO

Patient Birth Month

Type: Character		Length: 2	Variable Source: Payer-Submitted
Value	Description	Frequency	
01 thru 12	Month = 01-12	23,850,736	
Other	Month = Other	1,359	

Notes: This variable contains the patient's birth month.

RBIRTHYR

Patient Birth Year

Type: Character		Length: 4	Variable Source: Payer-Submitted
Value	Description	Frequency	
0	Year = 0000	1,359	
1875	Year = 1875	3	
1883	Year = 1883	2	
1890-1942	Year = 1890-1942	5,183,970	
1943-1989	Year = 1943-1989	16,987,607	
1990-2006	Year = 1990-2006	1,679,057	
976	Year = 0976	5	
9999	Year = 9999	92	

Notes: This variable contains the patient's birth year.

RCOVTYPE

Coverage Type (From Encounter File)

Type: Character		Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	Medicare Supplemental(Indvl,Grp,WRAP)	1,550,910	
2	Individual Plan	520,934	
3	Priv Employr Sponsord Fully Self-Insured	4,253,588	
4	Private Employer Sponsored Insured	5,503,672	
5	Public Employee	4,563,133	
6	Comprehensive Std Health Benefit Plan	4,928,546	
7	Mcare srv provided by a Mcare HMO/HCFA	547,290	
8	Taft Hartley Jointly Managed Trust Fund	47,959	
9	Payer Code=9 (Unknown)	18,106	
Missing	Unknown	1,917,957	

Notes: This variable contains the patient's type of insurance coverage. This variable is copied from the encounter data after linking the two files by PIDBDG.

RDELIVTYP

Delivery System(From Encounter File)

Type: Character		Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	HMO (Non-Medicaid,Includes Medicare)	10,723,706	
2	PPO-POS	3,992,200	
3	PPO or Other Managed Care	3,218,350	
4	Indemnity Care	1,688,878	
5	HMO-POS Rider	2,305,197	
9	Payer Code=9 (Not Coded)	5,807	
Missing	Unknown	1,917,957	

Notes: This variable contains the type of delivery system for rendering service. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RF_10K **Flag for Payment > 10K**

Type: Character		Length: 1	Variable Source: Flag
Value	Description	Frequency	
0	Payment <= 10K	23,851,663	
1	Payment > 10K (outlier)	432	

Notes: This flag identifies payments over \$10,000.00 as outliers.

RF_ANAL **Analysis Flag(1-Analysis, 0-Exclude)**

Type: Character		Length: 1	Variable Source: Flag
Value	Description	Frequency	
0	Excluded from Analysis	9,785,585	
1	Kept for Analysis	14,066,510	

Notes: This flag identifies records kept for the prescription drug report. The flag was created to match the analysis flag used for the 2003 and 2005 prescription drug use and expenditure report. The following 11 criteria were used to exclude records from the analysis file (excluded records are identified by RF_ANAL= 0).

- 1) Exclude records not filled in current year (2004). These records are identified by RF_YR05=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2,3,4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.
- 10) Exclude records for patients that are 65 years old and older. These records are identified by RF_YR65=1.
- 11) Exclude records of patients covered by Medicare plans (Medicare Supplemental and Medicare+Choice). These records are identified by RF_COV17=1.

RF_COV17 **Medicare Coverage Flag**

Type: Character		Length: 1	Variable Source: Flag
Value	Description	Frequency	
0	Other Coverage Type	21,753,895	
1	Coverage Type = Medicare(1 or 7)	2,098,200	

Notes: This flag identifies records with Medicare coverage type (type = 1 or 7).

RF_DBC Debit/Credit Flag		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No D/C pairs	23,251,924
1	D/C pairs	403,392
2	Complete Duplicate Set	70,446
3	Partial Duplicate Set	92,287
4	Not D/C after Adj.	34,046
Notes: This flag identifies debit/credit, and duplicate records. Below is a brief explanation of how the flag is assigned. The flag RF_DBC for all records without duplicate fill (no similar prescription is filled the same day for the same patient) is set to 0. About 97 percent of all the records have no debit/credit problems. The remaining records go through three passes. In the first pass, if two bills for the same patient, the same NDC, and the same fill date have positive and negative payments canceling each other, the flag RF_DBC is set to 1. Using the remaining non-flagged records in the first pass, if two records are complete duplicates, RF_DBC is set to 2 and if the records are partial duplicates, RF_DBC is set 3. In the last pass, all records without a flag in the second pass have their flag RF_DBC set to 4.		

RF_DEA Deanum(1=Valid, 0=Other, 2=Blank)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Other	3,669,163
1	Valid	14,661,536
9	Missing	5,521,396
Notes: This flag identifies valid DEA Numbers. The validation matches payer's submitted DEA numbers with a look-up list of DEA numbers from the US Drug Enforcement Agency (DEA).		

RF_ELINK Pharmacy/Encounter Link Flag(1/0)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No Link	1,917,957
1	Link By PATID-DOB-SEX	21,934,138
Notes: This flag identifies pharmacy records that link with encounter records by PIDBDG.		

RF_FINMS All 3 Financial Vars=0/Missing (1/0)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No-All Financial Variables <> 0 or Missing	23,852,043
1	Yes-All Financial Variables = 0 or Missing	52
Notes: This flag identifies records with all financial variables equal 0 or missing.		

RF_MD Maryland Residency Indicator (1-MD, 0-non MD)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Non-MD	30,116
1	MD	23,821,979
Notes: This flag identifies MD residents using the patient's ZIP Code. Any patient with at least one prescription service		

while residing in Maryland is regarded as a Maryland resident. Non-MD residents are excluded from the analysis file.

RF_MEDSUP

Medical Supply Indicator(0=No, 1=Yes)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Not a Medical Supply	23,263,163
1	Medical Supply	308,622
9	Unknown	280,310

Notes: This flag identifies medical supply NDCs. Medical supplies products include medical supplies, diagnostic supplies, and nutritional supplements.

RF_MOANAL

Mail Order Analysis Flag(1-Analysis, 0-Exclude)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Not Used In Mailorder Analysis	6,393,020
1	Used In Mailorder Analysis	17,459,075

Notes: This variables was created to identify records to be used in the 2004 Maintenance Drug Prescriptions Mail Order Purchase Study as mandated by Senate Bill 885. The mail-order analysis file is different from the regular analysis file because the latter includes the population over 64 years old as well as patients covered by Medicare plan. The following nine criteria were used to exclude records from the mail-order analysis file (excluded records are identified by RF_MOANAL= 0).

- 1) Exclude records not filled in current year (2004). These records are identified by RF_YR05=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2, 3, 4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.

RF_MORDER

Mail Order Flag(0=No, 1=Yes)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Not Mail Order	22,671,958
1	Mail Order	1,180,137

Notes: This flag identifies prescription drugs filled through mail order. Payers were requested to provide a list of mail-order pharmacies (NCPDP number). All the numbers provided were compiled into a master list. The master list was used for all payers regardless of whether or not a payer included an NCPDP in the submitted list.

RF_NDC

NDC Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency

0	Matches NDC	23,571,785
1	Not Match NDC	129,154
3	Zeros (0s)	150,703
4	Nines (9s)	453

Notes: The flag identifies NDC codes that do not match with NDC's in the Multum lexicon database.

RF_NDRUG

New Drug Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Branded, new	2,666,677
2	Branded, not new	9,575,698
3	Generic	11,007,210
4	Unknown	602,510

Notes: This flag identifies branded and generic drugs. Drugs are branded new if they were approved in last 4 years. Branded drug without known approval date are classified as branded, not new. The New Drug Flag is 4 either because it is unknown or the product is a medical supply.

RF_NDUP

Duplicate Set W/ at least One Neg. Bill

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other	23,851,894
1	Duplicate Set Include At Least One Negative Charge	201

Notes: This flag identifies duplicate sets with at least one member with negative bill charge.

RF_PATID

Patient ID Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Patid=OK	23,850,647
1	Patid=0s	1,448

Notes: This flag identifies invalid patient ID.

RF_PAYMD

Payment Category (1=<0,2=0,3=>0,4=.)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Negative Payment	202,606
2	Zero Payment	429,114
3-Jan	Positive Payment	23,220,375

Notes: This flag categorizes payment as negative, zero, positive or missing.

RF_PLINK

Pharmacy/Provider Link Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0-Jan	No Link	9,946,595
1	Link By DEANUM	13,771,436
2	Link By PROVID	685
3	Link By FEDTAXID	133,379

Notes: This flag identifies pharmacy records that link with provider file. The pharmacy file is linked to the provider file to extract practitioner's specialty information.

RF_SELF

Self Insurance Coverage Indicator

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Fully Insured Coverage Type	17,614,485
1	Self Insured Coverage Type	4,301,547
2	Other	1,936,063

Notes: This flag categorizes medical coverage into self insured and fully insured.

RF_YR05

Prescription Filled in 2004(1:>=05 0:<05)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No - Service Provided in 2006	17,912,725
1-Jan	Yes - Service Provided in 2006+	5,939,370

Notes: This flag identifies prescription services filled in 2005.

RF_YR65

Age 65+ Flag(0:<65, 1:>=65, 2:Missing)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0-Jan	Age <65	19,842,162
1	Age >=65	4,006,278
2	Age Missing	3,655

Notes: This flag identifies patients 65 years old and over. The flag is assigned based on the non rounded patient age as of 12/31/2004 (R_NAGE1204). Using rounded age puts 64.51-64.99 year-old patients into the 65+ age category.

RMSCAT

Medical Supply Category

Type: Character Length: 5 Variable Source: Assigned		
Value	Description	Frequency
10010	Bandages	1
10011	Wound Care Supplies	11
10012	Needles Syringes And Injection Supplies	69,163
10013	Blood Glucose Monitoring Supplies	227,046
10014	Urine Tests	639
10016	Nutritional Supplements	4
10017	Diaphragms	1,229
10020	Respiratory Therapy Supplies	9,332
10025	Bulk Compounding Chemicals	203
10026	Diagnostic Tests	153
10027	Ostomy Supplies	2
10029	Administration Devices	139
10030	Medical Supplies	678
10032	Homeopathic Medication	22
Missing	Unknown	23,543,473

Notes: This variable contains the medical supply categories. The medical supply category is missing either because it is unknown or the product is a prescription drug.

RN_ZIP_S Adjusted Pharmacy Zip Code (Using NACDS data)		
Type: Character	Length: 5	Variable Source: NACDS+Payer-Sub
Value	Description	Frequency
Missing	Value Missing	288,830
Reported	Value Not Missing	23,563,265
Notes: This variable represents Adjusted Pharmacy Zip Code. NACDS data were used to fill in the pharmacy ZIP Codes where the payer did not provide the field value. About 2 percent of all records with missing pharmacy ZIP Codes were filled using NACDS data. For the payer submitted pharmacy zip code, see RZIP_S.		

RPATLIAB Patient Liability-PL (\$)		
Type: Numeric	Length: 8	Variable Source: Payer-Submitted
Value	Description	Frequency
< 0	< 0	196,386
> 500	> 500	1,640
0	0	800,822
101 - 500	101 - 500	123,669
26 - 50	26 - 50	3,841,198
39457	39457	10,390,919
39777	39777	7,746,308
51 - 100	51 - 100	751,153
Notes: This variable contains the amount that the patient is required to pay for a prescription service (i.e. coinsurance, co-payments, and deductibles).		

RPATZIP Patient Residence ZIP Code		
Type: Character	Length: 5	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	11,191
Reported	Value Not Missing	23,840,904
Notes: This variable contains the zip code of patient's residence.		

RPAYMENT Payment = Sum(RA,PL)		
Type: Numeric	Length: 8	Variable Source: Calculated
Value	Description	Frequency
< 0	< 0	202,606
> 500	> 500	259,506
0	0	429,114
101 - 500	101 - 500	4,665,751
26 - 50	26 - 50	4,013,268
39457	39457	4,684,747
39777	39777	3,910,922
51 - 100	51 - 100	5,686,181
Notes: This variable contains the total amount paid for a prescription. Payment is the sum of patient liability and reimbursement amount.		

RPHARMCTY Pharmacy County		
Type: Character	Length: 3	Variable Source: Assigned
Value	Description	Frequency

1	Allegany	254,228
11	Caroline	118,178
13	Carroll	676,162
15	Cecil	256,547
17	Charles	571,723
19	Dorchester	152,160
21	Frederick	1,159,750
23	Garrett	89,108
25	Harford	983,998
25-Sep	Missing/Unknown	2,075,142
27	Howard	1,130,425
29	Kent	126,824
3	Anne Arundel	1,991,380
31	Montgomery	3,978,894
33	Prince George	3,200,846
35	Queen Annes	204,595
37	Saint Marys	378,565
39	Somerset	41,650
41	Talbot	232,288
43	Washington	543,709
45	Wicomico	370,914
47	Worcester	233,368
5	Baltimore	3,324,646
510	Baltimore City	1,335,084
9	Calvert	421,911

Notes: This variable represents the Maryland county in which a pharmacy is located. The Missing/Unknown category includes non-MD pharmacies.

RPHARMGRP Pharmacy Group

Type: Character		Length: 1	Variable Source: Assigned
Value	Description	Frequency	
1	Chain	8,943,229	
2	Independent	5,252,773	
3	Super Market/Mass Market	7,600,466	
4	Mail Order	1,180,137	
9	Other-Non MD	875,490	

Notes: This variable represents the pharmacy group category. The categorization is done by grouping one or more chain indicators based on MHCC specifications.

RREIMB Reimbursement Amount-RA (\$)

Type: Numeric		Length: 8	Variable Source: Payer-Submitted
Value	Description	Frequency	
< 0	< 0	146,731	
> 500	> 500	233,795	
0	0	6,280,120	
101 - 500	101 - 500	3,400,499	
26 - 50	26 - 50	3,573,936	
39457	39457	3,371,531	
39777	39777	2,859,559	
51 - 100	51 - 100	3,985,924	

Notes: This variable contains the amount paid to the pharmacy by a payer.

RSCRIPT		
Number of Adjusted or 30-day Script		
Type: Character	Length: 3	Variable Source: Calculated
Value	Description	Frequency
1	Drugspl <= 30	18,670,419
2	30 < Drugspl <= 60	1,532,941
3	Drugspl > 60	3,648,735
Notes: This variable represents the number of adjusted 30-day scripts or normalized scripts. Any drug supply of less or equal to 30 counts as one 1 script. Any drug supply between 31 and 60 days counts as two scripts and any supply over 60 days counts as 3 scripts.		

RSEX		
Patient Sex		
Type: Character	Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency
1	Male	9,301,395
2	Female	14,538,802
3	Payer Code=3 (Not Coded)	11,898
Notes: This variable contains the sex of patient.		

RSPECL1		
Practitioner/Supplier Specialty-1		
Type: Character	Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency
1	General Practice	76,992
10	Gastroenterology	230,888
100	Neonatology	586
101	Multi-Specialty Medical Practice	968,307
102	Mental Health Clinic	198
11	Geriatrics	7,099
12	Hand Surgery	1,597
13	Hematology	38,389
14	Internal Medicine	4,245,591
15	Infectious Disease	34,478
16	Nephrology	63,147
17	Neurology	200,349
18	Nuclear Medicine	387
19	Oncology	78,811
2	General Surgery	85,696
20	Ophthalmology	131,481
21	Orthopedic Surgery	194,202
22	Osteopathy (include manipulations)	97
23	Otology/Laryngo/Rhino/Otolaryngo	127,302
24	Pathology	766
25	Pediatrics	805,865
26	Peripheral Vascular Disease/Surgery	22
27	Plastic Surgery	27,392
28	Physical Medicine & Rehabilitation	64,505
29	Proctology	2
3	Allergy & Immunology	129,388
30	Psychiatry	512,294
31	Pulmonary Disease	94,507
32	Radiology	16,303

33	Rheumatology	127,854
34	Surgical Specialty Not Listed Here	52,009
35	Thoracic Surgery	4,455
36	Urology	121,952
37	Misc Special (pub health/indusl med)	2,346
38	Physician w/o Identfd Spec/Not Listd	59,287
39	Obstetrics/Gynecology	832,751
4	Anesthesiology	29,487
40	Acupuncturist	484
41	Alcohol/Drug Detox Services	3
44	Chiropractor	215
5	Cardiology	423,797
50	Advanced Practice Nurse: Midwife	12,780
51	Advancd Practice Nurse: Nurse Practitioner	112,639
52	Advd Practice Nurse: Psychotherapist	34
53	Nurse Other than Advanced Practice	1,442
55	Optometrist	435
56	Podiatrist	57,219
57	Physical Therapist	2
58	Psychologist	2,143
59	Clinical Social Worker	328
6	Dermatology	253,100
62	Other Specialty Not Listed Above	1,153
7	Emergency Medicine	72,694
70	General Dentist	133,085
71	Endodontist	12,487
72	Orthodontist	470
73	Oral Surgeon	38,014
74	Pedodontist	4,609
75	Periodontist	16,880
76	Prosthodontist	253
8	Endocrinology Medicine	160,559
80	Freestanding Pharmacy incl grocery	438,311
83	Independent Medical Supply Company	46
84	Optician/Optometrist	19
9	Family Practice	2,795,517
Missing	Value Missing	9,946,595

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RSPECL2 Practitioner/Supplier Specialty-2		
Type: Character		Length: 3
		Variable Source: Payer-Submitted
Value	Description	Frequency
1	General Practice	309,417
10	Gastroenterology	35,260
100	Neonatology	3,165
101	Multi-Specialty Medical Practice	3,215
102	Mental Health Clinic	118
11	Geriatrics	155,750
12	Hand Surgery	10,149
13	Hematology	40,935
14	Internal Medicine	808,299
15	Infectious Disease	67,451

16	Nephrology	70,251
17	Neurology	24,912
18	Nuclear Medicine	4,663
19	Oncology	42,652
2	General Surgery	44,249
20	Ophthalmology	976
21	Orthopedic Surgery	10,907
22	Osteopathy (include manipulations)	4,487
23	Otology/Laryngo/Rhino/Otolaryngo	2,139
24	Pathology	11,447
25	Pediatrics	204,890
26	Peripheral Vascular Disease/Surgery	3,900
27	Plastic Surgery	6,601
28	Physical Medicine & Rehabilitation	3,430
29	Proctology	5,983
3	Allergy & Immunology	19,112
30	Psychiatry	16,112
31	Pulmonary Disease	80,638
32	Radiology	8,359
33	Rheumatology	21,705
34	Surgical Specialty Not Listed Here	49,080
35	Thoracic Surgery	9,143
36	Urology	1,987
37	Misc Special (pub health/indusl med)	34,143
38	Physician w/o Identfd Spec/Not Listd	609,294
39	Obstetrics/Gynecology	45,873
4	Anesthesiology	5,617
40	Acupuncturist	16,262
41	Alcohol/Drug Detox Services	1,350
42	Ambulance Services	1
44	Chiropractor	1
45	Freestanding Clinic-Not a Govt Agency	3,144
5	Cardiology	49,191
50	Advanced Practice Nurse: Midwife	2,893
51	Advancd Practice Nurse: Nurse Practitioner	29,298
53	Nurse Other than Advanced Practice	2,694
54	Occupational Therapist	1,529
55	Optometrist	10,115
56	Podiatrist	6,033
57	Physical Therapist	1,347
58	Psychologist	154,038
59	Clinical Social Worker	1,315
6	Dermatology	1,663
62	Other Specialty Not Listed Above	29,486
7	Emergency Medicine	49,133
70	General Dentist	13,682
71	Endodontist	17,427
72	Orthodontist	142
73	Oral Surgeon	7,035
74	Pedodontist	416
75	Periodontist	963
8	Endocrinology Medicine	56,885
80	Freestanding Pharmacy incl grocery	2,861,555
82	Independent Laboratory	7
83	Independent Medical Supply Company	2,278
84	Optician/Optometrist	67

9	Family Practice	498,329
90	Freestanding Medical Facility	6,701
91	Freestanding Surgical Facility	334
93	Other Facility	215
Missing	Value Missing	17,250,257

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RSPECL3

Practitioner/Supplier Specialty-3

Type: Character	Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency
1	General Practice	28,843
10	Gastroenterology	156
100	Neonatology	130
101	Multi-Specialty Medical Practice	24,051
11	Geriatrics	9,413
12	Hand Surgery	145
13	Hematology	4,575
14	Internal Medicine	260,971
15	Infectious Disease	1,273
16	Nephrology	1,236
17	Neurology	5,868
18	Nuclear Medicine	407
19	Oncology	13,254
2	General Surgery	5,125
20	Ophthalmology	1,293
21	Orthopedic Surgery	29,607
23	Otology/Laryngo/Rhino/Otolaryngo	1,111
24	Pathology	9,895
25	Pediatrics	38,066
26	Peripheral Vascular Disease/Surgery	3,303
27	Plastic Surgery	511
29	Proctology	1,338
3	Allergy & Immunology	3,309
30	Psychiatry	7,883
31	Pulmonary Disease	1,375
32	Radiology	2,262
33	Rheumatology	1
34	Surgical Specialty Not Listed Here	13,063
35	Thoracic Surgery	5,974
36	Urology	749
37	Misc Special (pub health/indusl med)	1,585
38	Physician w/o Identfd Spec/Not Listd	280,655
39	Obstetrics/Gynecology	26,841
4	Anesthesiology	1,882
40	Acupuncturist	2,535
41	Alcohol/Drug Detox Services	306
44	Chiropractor	125
47	Dietitian/Licensed Nutritionist	121
49	Advanced Practice Nurse: Anesthetist	2
5	Cardiology	8,185
50	Advanced Practice Nurse: Midwife	77
51	Advancd Practice Nurse: Nurse Practitioner	4,889

53	Nurse Other than Advanced Practice	1,602
54	Occupational Therapist	476
55	Optometrist	122
56	Podiatrist	1,587
57	Physical Therapist	3,905
58	Psychologist	20,042
59	Clinical Social Worker	490
62	Other Specialty Not Listed Above	10,810
7	Emergency Medicine	18,616
70	General Dentist	6,504
71	Endodontist	32,415
73	Oral Surgeon	1,801
80	Freestanding Pharmacy incl grocery	787,254
82	Independent Laboratory	691
83	Independent Medical Supply Company	7,094
9	Family Practice	52,527
90	Freestanding Medical Facility	2,053
91	Freestanding Surgical Facility	8
92	Freestanding Imaging Center	144
Missing	Value Missing	22,101,564

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RZIP_S		
Pharmacy ZIP Code		
Type: Character		Length: 5
		Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	1,445,757
Reported	Value Not Missing	22,406,338

Notes: This variable contains the zip code of pharmacy where prescription was dispensed.

**2006 Maryland Medical Care Database
Pharmacy Analysis file
ANALRX06.SAS7BDAT**

Contents Output

Data Set Name	IN3.ANALRX06	Observations	14762898			
Member Type	DATA	Variables	67			
Engine	V9	Indexes	0			
Created	Thursday, March 27, 2008 05:15:41 PM	Observation Length	262			
Last Modified	Thursday, March 27, 2008 05:15:41 PM	Deleted Observations	0			
Protection		Compressed	BINARY			
Data Set Type		Reuse Space	NO			
Label		Point to Observations	YES			
Data Representation	WINDOWS_32	Sorted	NO			
Encoding	wlatin1 Western (Windows)					
Engine/Host Dependent Information						
Data Set Page Size		12288				
Number of Data Set Pages		262983				
Number of Data Set Repairs		0				
File Name		D:\MCDB\Analysis\data\analrx06.sas7bdat				
Release Created		9.0101M3				
Host Created		XP_PRO				
Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
31	APPRDATE	Num	8			FDA Approval Date
55	CHNIND	Char	1			Chain Indicator
24	DEANUM	Char	11			Practitioner DEA#
39	DRUGQTY	Num	4			Drug Quantity (No. of Units Dispensed)
40	DRUGSPL	Num	3			Drug Supply (Est. # of Supply Days)

26	DRUG_ID	Char	6	\$6.	\$6.	Multum Drug ID
47	FILLDATE	Num	8			Date Prescription Filled
9	FILLDD	Char	2			Day Prescription Filled
10	FILLMO	Char	2			Month Prescription Filled
11	FILLYR	Char	4			Year Prescription Filled
25	GBO	Char	1	\$1.	\$1.	Generic/Brand Indicator
35	MMDC	Char	5			Main Multum Drug Code
27	MULTDC1	Char	3			Multum Drug Category 1
28	MULTDC2	Char	3			Multum Drug Category 2
29	MULTDC3	Char	3			Multum Drug Category 3
30	MULTDC4	Char	3			Multum Drug Category 4
12	NCPDP	Char	7			Pharmacy Number (NCPDP)
13	NDC	Char	12			National Drug Code (NDC-11 Chars)
33	NDCLABL	Char	9			Labeler-Product Code(Chars 1-9 of NDC)
34	NDCPACK	Char	2			Package Code(Chars 10-11 of NDC)
14	PATID	Char	14			Patient ID, Encrypted
8	PIDBDG	Char	25			Unique Patient ID
41	PNUM	Char	4			Payer Unique ID
5	RAGE	Num	3			Patient Age at Service
6	RAGE1206	Num	3			Patient Age as of 12/31/2006
36	RBILL	Num	8			Billed Charge-BC (\$)
16	RBIRTHMO	Char	2			Patient Birth Month
17	RBIRTHYR	Char	4			Patient Birth Year
1	RCOVTYPE	Char	1			Coverage Type
2	RDELIVTYP	Char	1			Delivery System Type
3	RDENRDATE	Num	8	MMDDYY8.		Disenrollment Date
4	RENDATE	Num	8	MMDDYY8.		Enrollment Date
48	RF_10K	Char	1			Flag for Payment > 10K

63	RF_ANAL	Char	1			Analysis Flag(1-Analysis, 0-Exclude)
51	RF_COV17	Char	1			Medicare Coverage Flag
7	RF_DBC	Char	1			Debit/Credit Flag
66	RF_DEA	Char	1			DEA Number(1=Valid, 0=Other, 2=Blank)
62	RF_ELINK	Char	1			Pharmacy/Encounter Link Flag
21	RF_FINMS	Char	1			All 3 Financial Vars=0/Missing (1/0)
50	RF_MD	Char	1			Maryland Residency Indicator (1-MD, 0-non MD)
32	RF_MEDSUP	Char	1			Medical Supply Indicator(0=No, 1=Yes)
64	RF_MOANAL	Char	1			Mail Order Analysis Flag(1-Analysis, 0-Exclude)
45	RF_MORDER	Char	1			Mail Order Flag(0=No, 1=Yes)
42	RF_NDC	Char	1			NDC Flag
44	RF_NDRUG	Char	1			New Drug Flag
61	RF_NDUP	Char	1			Duplicate Set W/ at least One Neg. Bill
49	RF_PATID	Char	1			Patient ID Flag
22	RF_PAYMD	Char	1			Payment Category (1=<0,2=0,3=>0,4=.)
57	RF_PLINK	Char	1			Pharmacy/Provider Link Flag
53	RF_SELF	Char	1			Self Insurance Coverage Indicator
20	RF_YR07	Char	1			Prescription Filled in 2007(1:>=07 0:<07)
65	RF_YR65	Char	1			Age 65+ Flag(0:<65, 1:>=65, 2:Missing)
43	RMSCAT	Char	5			Medical Supply Category
54	RN_ZIP_S	Char	5			Adjusted Pharmacy Zip Code (Using NACDS data)
38	RPATLIAB	Num	8			Patient Liability-PL (\$)
18	RPATZIP	Char	5			Patient Residence ZIP Code
46	RPAYMENT	Num	8			Payment = Sum(RA,PL)
52	RPHARMCTY	Char	3			Pharmacy County
56	RPHARMGRP	Char	1			Pharmacy Group
37	RREIMB	Num	8			Reimbursement Amount-RA (\$)
67	RSCRIPT	Num	3			Number of Adjusted or 30-day Script

19	RSEX	Char	1			Patient Sex
58	RSPECL1	Char	3			Practitioner/Supplier Specialty-1
59	RSPECL2	Char	3			Practitioner/Supplier Specialty-2
60	RSPECL3	Char	3			Practitioner/Supplier Specialty-3
15	RZIP_S	Char	5			Pharmacy ZIP Code
23	R_NAGE1206	Num	3			Patient Age as of 12/31/2006 (Not Rounded)

**2006 Maryland Medical Care Database
Pharmacy Analysis File
ANALRX06.SAS7BDAT**

Codebook

APPRDATE FDA Approval Date		
Type: Date	Length: 8	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Date Components Incomplete	383,040
Reported	Date Components Complete	14,379,858
Notes: This variable represents the drug approval date by FDA.		

CHNIND Chain Indicator		
Type: Character	Length: 1	Variable Source: Assigned
Value	Description	Frequency
A	In Associations, Like Epic	275,415
C	Chain Drug Stores	5,788,274
D	Mass Merchants	1,118,703
G	Super Markets	3,415,186
I	Independent Drug Stores	1,511,965
M	Mail Order	658,807
O	Other Non MD Pharmacies	653,309
U	Institution/Practice Based Pharmacies	1,129,769
X	Other MD Pharmacy	211,470
Notes: This variable represents a chain indicator. Non-Maryland pharmacies category does not include mail-order pharmacies. Other Maryland pharmacies are pharmacies located in Maryland for which there is no known category.		

DEANUM Practitioner DEA#		
Type: Character	Length: 11	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	53,398
Reported	Value Not Missing	14,709,500
Notes: This variable represents Drug Enforcement Agency number (DEA #). The DEA # is assigned to providers registered under the Controlled Substance Act by the Drug Enforcement Administration of the U.S. Department of Justice. DEA number is used as a unique practitioner identifier in the Pharmacy Database.		

DRUG_ID Multum Drug ID		
Type: Character	Length: 6	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Value Missing	272,647
Reported	Value Not Missing	14,490,251
Notes: This variable represents the Drug Identification Number. Each code is written in the form "d#####" and identifies a unique generic drug. The Drug Identification Number is missing either because it is unknown or the product is a medical supply.		

DRUGQTY

Drug Quantity (No. of Units Dispensed)		
Type: Numeric	Length: 4	Variable Source: Payer-Submitted
Value	Description	Frequency
.		21
0	0	32,142
30-Jan	30-Jan	8,347,583
31 - 60	31 - 60	2,577,237
61 - 90	61 - 90	2,121,531
90+	> 90	1,684,384
Notes: This variable represents the number of units of drug dispensed.		

DRUGSPL Drug Supply (Est. # of Supply Days)		
Type: Numeric	Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency
0	0	7,437
30-Jan	30-Jan	11,873,448
31 - 60	31 - 60	671,793
61 - 90	61 - 90	2,182,007
90+	> 90	28,213
Notes: This variable represents the estimated number of days of dispensed supply.		

FILLDATE Date Prescription Filled		
Type: Date	Length: 8	Variable Source: Calculated
Value	Description	Frequency
Reported	Date Components Complete	14,762,898
Notes: This variable represents the date a prescription was filled.		

FILLDD Day Prescription Filled		
Type: Character	Length: 2	Variable Source: Payer-Submitted
Value	Description	Frequency
01 thru 31	Day = 01-31	14,762,898
Notes: This variable represents the day a prescription was filled.		

FILLMO Month Prescription Filled		
Type: Character	Length: 2	Variable Source: Payer-Submitted
Value	Description	Frequency
01 thru 12	Month = 01-12	14,762,898
Notes: This variable represents the month a prescription was filled.		

FILLYR Year Prescription Filled		
Type: Character	Length: 4	Variable Source: Payer-Submitted
Value	Description	Frequency
2006	Year = 2006	14,762,898
Notes: This variable represents the year a prescription was filled. Year 2006 includes prescription drugs from January 1, 2006 through December 31, 2006		

GBO		
Generic/Brand Indicator		
Type: Character	Length: 1	Variable Source: Multum Lexicon
Value	Description	Frequency
G	Generic	7,826,452
Missing	Unknown	272,647
N	Brand	6,663,799
Notes: This variable designates the drug status as brand or generic. The generic/brand indicator is missing either because it is unknown or the product is a medical supply.		

MMDC		
Main Multum Drug Code		
Type: Character	Length: 5	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Unknown	272,647
Reported	Value Not Missing	14,490,251
Notes: This variable represents the main Multum drug code (MMDC). Each code is a unique combination of active ingredient(s), strength, route of administration, and dosage form. This variable is used to identify drugs that share the above 4 characteristics across different manufacturers and labels. The main Multum drug code is missing either because it is unknown or the product is a medical supply.		

MULTDC1		
Multum Drug Category 1		
Type: Character	Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency
10	Leprostatics	1,937
100	Miscellaneous Hormones	26,783
102	Contraceptives	667,116
103	Thyroid Drugs	327,098
104	Immunosuppressive Agents	24,468
106	Antidotes	2,263
107	Chelating Agents	1,852
108	Cholinergic Muscle Stimulants	1,139
109	Local Injectable Anesthetics	6
110	Miscellaneous Uncategorized Agents	11,163
111	Psoralens	328
116	Iron Products	84,898
117	Minerals And Electrolytes	88,363
118	Oral Nutritional Supplements	177
119	Vitamins	63,766
12	Miscellaneous Antibiotics	72,770
120	Vitamin And Mineral Combinations	27,959
121	Intravenous Nutritional Products	21
123	Antihistamines	332,093
124	Antitussives	21,004
126	Methylxanthines	4,382
128	Expectorants	89
129	Miscellaneous Respiratory Agents	619
131	Antiasthmatic Combinations	6
132	Upper Respiratory Combinations	290,865
134	Anorectal Preparations	5,642
135	Antiseptic And Germicides	15,554

137	Topical Anti-Infectives	19,132
138	Topical Steroids	229,633
139	Topical Anesthetics	30,622
14	Quinolones	201,624
140	Miscellaneous Topical Agents	28,413
141	Topical Steroids With Anti-Infectives	35,483
143	Topical Acne Agents	162,447
144	Topical Antipsoriatics	12,119
146	Mouth And Throat Products	12,187
15	Sulfonamides	4,721
150	Sterile Irrigating Solutions	91
154	Loop Diuretics	61,460
155	Potassium-Sparing Diuretics	18,814
156	Thiazide Diuretics	203,503
157	Carbonic Anhydrase Inhibitors	2,609
159	First Generation Cephalosporins	91,362
16	Tetracyclines	126,342
160	Second Generation Cephalosporins	36,336
161	Third Generation Cephalosporins	62,839
163	Ophthalmic Anti-Infectives	88,165
164	Ophthalmic Glaucoma Agents	45,486
165	Ophthalmic Steroids	16,315
166	Ophthalmic Steroids With Anti-Infectives	17,574
167	Ophthalmic Anti-Inflammatory Agents	14,647
168	Ophthalmic Lubricants And Irrigations	27
17	Urinary Anti-Infectives	39,336
170	Otic Anti-Infectives	9,634
171	Otic Steroids With Anti-Infectives	32,888
172	Miscellaneous Otic Agents	6,124
173	HMG-CoA Reductase Inhibitors	552,516
175	Protease Inhibitors	13,507
176	NRTIs	10,443
177	Miscellaneous Antivirals	1,685
178	Skeletal Muscle Relaxants	179,212
179	Skeletal Muscle Relaxant Combinations	996
18	Aminoglycosides	1,391
180	Adrenergic Bronchodilators	238,724
181	Bronchodilator Combinations	108,606
182	Androgens And Anabolic Steroids	14,033
183	Estrogens	103,039
184	Gonadotropins	6,925
185	Progestins	42,920
186	Sex Hormone Combinations	33,387
187	Miscellaneous Sex Hormones	5,235
191	Narcotic Analgesic Combinations	634,960
192	Antirheumatics	29,844
193	Antimigraine Agents	94,492
194	Antigout Agents	42,631
195	5HT3 Receptor Antagonists	13,951
196	Phenothiazine Antiemetics	11,352
197	Anticholinergic Antiemetics	4,217
198	Miscellaneous Antiemetics	2,933
199	Hydantoin Anticonvulsants	14,511
2	Amebicides	47,730
200	Succinimide Anticonvulsants	471
204	Miscellaneous Anticonvulsants	190,224

205	Anticholinergic Antiparkinson Agents	4,839
208	SSRI Antidepressants	566,241
209	Tricyclic Antidepressants	64,680
21	Alkylating Agents	1,116
210	Phenothiazine Antipsychotics	1,498
211	Platelet Aggregation Inhibitors	52,860
213	Sulfonylureas	112,247
214	Non-Sulfonylureas	179,654
215	Insulin	110,642
216	Alpha-Glucosidase Inhibitors	1,152
217	Bisphosphonates	93,942
219	Nutraceutical Products	7,188
22	Antibiotics/Antineoplastics	6
222	Penicillinase Resistant Penicillins	2,758
223	Antipseudomonal Penicillins	21
224	Aminopenicillins	311,515
225	Beta-Lactamase Inhibitors	153,848
226	Natural Penicillins	56,069
227	NNRTIs	7,396
228	Adamantane Antivirals	2,019
229	Purine Nucleosides	109,882
23	Antimetabolites	25,551
231	Nicotinic Acid Derivatives	2,375
232	Rifamycin Derivatives	1,660
234	Miscellaneous Antituberculosis Agents	255
235	Polyenes	76
236	Azole Antifungals	83,574
237	Miscellaneous Antifungals	25,187
238	Aminoquinolones	8,829
239	Miscellaneous Antimalarials	40
24	Hormones/Antineoplastics	59,574
240	Lincomycin Derivatives	38,914
241	Fibric Acid Derivatives	67,856
243	Leukotriene Modifiers	135,662
244	Nasal Lubricants And Irrigations	1
245	Nasal Steroids	267,159
246	Nasal Antihistamines And Decongestants	19,444
248	Topical Emollients	8,900
25	Miscellaneous Antineoplastics	7,856
250	Monoamine Oxidase Inhibitors	890
252	Bile Acid Sequestrants	10,439
253	Anorexants	409
256	Interferons	7,669
257	Monoclonal Antibodies	5,411
26	Mitotic Inhibitors	67
261	Heparins	6,672
262	Coumarins And Indandiones	46,119
263	Impotence Agents	102,850
264	Urinary Antispasmodics	28,200
265	Urinary Ph Modifiers	2,528
266	Miscellaneous Genitourinary Tract Agents	19,455
267	Ophthalmic Antihistamines And Decongestants	42,062
268	Vaginal Anti-Infectives	23,835
269	Miscellaneous Vaginal Agents	71
270	Antipsoriatics	626
271	Thiazolidinediones	95,560

272	Proton Pump Inhibitors	390,839
274	Cardioselective Beta Blockers	327,709
275	Non-Cardioselective Beta Blockers	70,563
276	Dopaminergic Antiparkinsonism Agents	17,472
277	5-Aminosalicylates	25,216
278	Cox-2 Inhibitors	34,249
279	Gonadotropin Releasing Hormones	32
280	Thioxanthenes	392
281	Neuraminidase Inhibitors	6,675
282	Meglitinides	6,035
284	Viscosupplementation Agents	176
286	Mydriatics	1,907
287	Ophthalmic Anesthetics	7
288	5-Alpha-Reductase Inhibitors	11,356
290	Topical Antibiotics	42,454
291	Topical Antivirals	11,377
292	Topical Antifungals	63,867
293	Glucose Elevating Agents	4
295	Growth Hormones	2,989
296	Inhaled Corticosteroids	69,056
298	Mast Cell Stabilizers	1,213
299	Anticholinergic Bronchodilators	13,808
3	Anthelmintics	2,667
300	Corticotropin	23
301	Glucocorticoids	200,787
302	Mineralocorticoids	2,285
303	Agents For Pulmonary Hypertension	253
304	Macrolides	308,039
305	Ketolides	15,154
306	Phenylpiperazine Antidepressants	49,864
307	Tetracyclic Antidepressants	12,006
308	Ssri Antidepressants	138,700
309	Miscellaneous Antidiabetic Agents	12,728
31	Bacterial Vaccines	47
311	Dibenzazepine Anticonvulsants	31,533
312	Cholinergic Agonists	1,561
313	Cholinesterase Inhibitors	1,549
314	Antidiabetic Combinations	41,064
316	Cholesterol Absorption Inhibitors	56,761
317	Antihyperlipidemic Combinations	79,038
318	Insulin-Like Growth Factor	6
32	Colony Stimulating Factors	1,577
320	smoking cessation agents	6,339
323	antineoplastic monoclonal antibodies	16
324	antineoplastic interferons	225
327	antiviral combinations	13,504
328	antimalarial combinations	3,789
33	Immune Globulins	44
330	antiviral interferons	3,556
333	iodinated contrast media	2
34	In Vivo Diagnostic Biologicals	1
340	aldosterone receptor antagonists	891
341	atypical antipsychotics	76,885
343	tyrosine kinase inhibitors	1,564
36	Recombinant Human Erythropoietins	3,526
37	Toxoids	4

38	Viral Vaccines	36
41	Agents For Hypertensive Emergencies	19
42	Angiotensin Converting Enzyme Inhibitors	352,425
43	Antiadrenergic Agents, Peripherally Acting	51,808
44	Antiadrenergic Agents, Centrally Acting	39,399
45	Antianginal Agents	16,485
46	Antiarrhythmic Agents	7,774
48	Calcium Channel Blocking Agents	262,871
50	Inotropic Agents	11,943
51	Miscellaneous Cardiovascular Agents	2,706
52	Peripheral Vasodilators	107
53	Vasodilators	6,774
54	Vasopressors	15,613
55	Antihypertensive Combinations	463,802
56	Angiotensin II Inhibitors	167,460
59	Miscellaneous Analgesics	47,360
60	Narcotic Analgesics	139,261
61	Nonsteroidal Anti-Inflammatory Agents	427,556
62	Salicylates	1,892
63	Analgesic Combinations	48,762
68	Barbiturates	3,860
69	Benzodiazepines	312,035
70	Miscellaneous Anxiolytics, Sedatives And Hypnotics	222,527
71	CNS Stimulants	263,510
72	General Anesthetics	5
76	Miscellaneous Antidepressants	161,996
77	Miscellaneous Antipsychotic Agents	24,403
79	Psychotherapeutic Combinations	1,619
80	Miscellaneous Central Nervous System Agents	719
85	Miscellaneous Coagulation Modifiers	1,089
88	Antacids	43
89	Anticholinergics/Antispasmodics	46,458
90	Antidiarrheals	7,792
91	Digestive Enzymes	2,908
92	Gallstone Solubilizing Agents	3,763
93	GI Stimulants	18,775
94	H2 Antagonists	38,686
95	Laxatives	56,024
96	Miscellaneous GI Agents	29,024
Missing	Unknown	272,647

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 1.

MULTDC2

Multum Drug Category 2

Type: Character		Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency	
102	Contraceptives	34,827	
109	Local Injectable Anesthetics	30	
110	Miscellaneous Uncategorized Agents	7,624	
117	Minerals And Electrolytes	46	
12	Miscellaneous Antibiotics	45,409	
120	Vitamin And Mineral Combinations	84,823	
123	Antihistamines	28,487	
124	Antitussives	438	

127	Decongestants	2
129	Miscellaneous Respiratory Agents	884
140	Miscellaneous Topical Agents	15,611
146	Mouth And Throat Products	14,329
15	Sulfonamides	69,356
17	Urinary Anti-Infectives	1
174	Miscellaneous Antihyperlipidemic Agents	16,851
179	Skeletal Muscle Relaxant Combinations	41
18	Aminoglycosides	29
182	Androgens And Anabolic Steroids	38
185	Progestins	7,732
186	Sex Hormone Combinations	149,717
192	Antirheumatics	25,112
196	Phenothiazine Antiemetics	40,241
197	Anticholinergic Antiemetics	5,315
198	Miscellaneous Antiemetics	18,775
201	Barbiturate Anticonvulsants	3,832
203	Benzodiazepine Anticonvulsants	177,744
204	Miscellaneous Anticonvulsants	2,465
209	Tricyclic Antidepressants	4,194
210	Phenothiazine Antipsychotics	11,351
211	Platelet Aggregation Inhibitors	1,927
217	Bisphosphonates	765
235	Polyenes	9,295
236	Azole Antifungals	2,568
238	Aminoquinolones	19,465
239	Miscellaneous Antimalarials	75,156
248	Topical Emollients	1,152
25	Miscellaneous Antineoplastics	547
253	Anorexiant	3,537
263	Impotence Agents	1,252
264	Urinary Antispasmodics	5,755
268	Vaginal Anti-Infectives	67,009
269	Miscellaneous Vaginal Agents	20,922
272	Proton Pump Inhibitors	375
276	Dopaminergic Antiparkinsonism Agents	2,307
277	5-Aminosalicylates	4,644
286	Mydriatics	25
289	Antihyperuricemic Agents	27,782
290	Topical Antibiotics	5,260
292	Topical Antifungals	433
293	Glucose Elevating Agents	1,572
297	Mucolytics	268
301	Glucocorticoids	25,219
303	Agents For Pulmonary Hypertension	60,910
317	Antihyperlipidemic Combinations	10,710
320	smoking cessation agents	161,996
340	aldosterone receptor antagonists	18,300
53	Vasodilators	8,673
Missing	Unknown	13,459,770

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 2.

MULTDC3 Multum Drug Category 3

Type: Character		Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency	
180	Adrenergic Bronchodilators	15,611	
185	Progestins	34,827	
197	Anticholinergic Antiemetics	161	
204	Miscellaneous Anticonvulsants	4	
265	Urinary Ph Modifiers	36	
270	Antipsoriatics	18,142	
Missing	Unknown	14,694,117	
Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 3.			

MULTDC4 Multum Drug Category 4			
Type: Character		Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency	
205	Anticholinergic Antiparkinson Agents	161	
Missing	Unknown	14,762,737	
Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 4.			

NCPDP Pharmacy Number (NCPDP)		
Type: Character	Length: 7	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	401
Reported	Value Not Missing	14,762,497
Notes: This variable contains a 7-digit number assigned by National Council for prescription Drug program. This number identifies dispensing pharmacies. This variable is a unique identifier of a pharmacy. It is also used to identify mail-order pharmacy (see RF_MORDER) , chain indicator (see CHNIND), and pharmacy group (see PHARMGRP).		

NDC National Drug Code (NDC-11 Chars)		
Type: Character	Length: 12	Variable Source: Payer-Submitted
Value	Description	Frequency
Reported	Value Not Missing	14,762,898
Notes: This variable contains the National Drug Code (NDC). The NDC is an 11-digit that identifies each marketed drug/product (including medical supplies). The first 5 numbers identify the manufacturer of a product. The second 4 numbers identify the product, and the last 2 numbers identify the package size of that product.		

NDCLABL Labeler-Product Code(Chars 1-9 of NDC)			
Type: Character		Length: 9	Variable Source: Assigned
Value	Description	Frequency	
Missing	Value Missing	43,073	
Reported	Value Not Missing	14,719,825	
Notes: This variable contains the first 9 of the 11 digits of the NDC code. The first 5 numbers identify the manufacturer of a product and the second 4 numbers identify the product.			

NDCPACK Package Code(Chars 10-11 of NDC)			
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Type: Character		Length: 2	Variable Source: Assigned
Value	Description	Frequency	
Missing	Value Missing	304,213	
Reported	Value Not Missing	14,458,685	
Notes: This variable contains the last 2 of the 11 digits of the NDC code or package code.			

PATID Patient ID, Encrypted		
Type: Character Length: 14 Variable Source: Assigned		
Value	Description	Frequency
Reported	Value Not Missing	14,762,898
Notes: This variable represents the encrypted patient ID. The patient ID is assigned by a payer. Some payers assign the same patient ID to all members of a policy, making the ID not unique. For unique patient ID, see PIDBDG.		

PIDBDG Unique Patient ID			
Type: Character		Length: 25	Variable Source: Assigned
Value	Description	Frequency	
Reported	Value Not Missing	14,762,898	
Notes: Some payers assign the same Patient ID to all members of a policy, making the ID not unique. PIDBDG is a unique patient identifier consisting of encrypted patient ID, Year of Birth, Month of Birth and Gender.			

PNUM		
Payer Unique ID		
Type: Character	Length: 4	Variable Source: Assigned
Value	Description	Frequency
P020	Aetna Life & Health Insurance Co.	765,365
P030	Aetna U.S. Healthcare	1,089,017
P070	American Republic Insurance Co.	5,835
P130	CareFirst BlueChoice, Inc.	4,177,886
P131	CareFirst of Maryland, Inc.	1,446,320
P160	CIGNA Healthcare Mid-Atlantic, Inc.	838,972
P280	Assurant/Fortis Insurance Co.	12,145
P320	Golden Rule Insurance Co.	43,387
P325	Graphic Arts Benefit Corporation	30,177
P330	Great-West Life & Annuity Insurance Co.	123,942
P350	Guardian Life Insurance Co. of America	137,922
P471	Unicare Life & Health Insurance Co.	93,170
P480	Kaiser Foundation Health Plan of Mid-Atlantic	1,442,383
P500	MAMSI Life and Health Insurance Co.	589,766
P510	Maryland Fidelity Insurance Co.	219
P520	MD-Individual Practice Association, Inc.	993,409
P530	MEGA Life & Health Insurance Co.	59,028
P620	Optimum Choice, Inc.	1,746,116
P680	Coventry Healthcare of Delaware, Inc.	404,728
P760	State Farm Mutual Automobile Insurance Co.	22,540
P820	United Healthcare Insurance Co.	658,123
P830	Trustmark Insurance Co.	557
P850	Union Labor Life Insurance Co.	30,653
P870	United Healthcare of the Mid-Atlantic, Inc.	51,238
Notes: This variable represents the payer's unique identifier. This identifier is assigned by MHCC.		

R_NAGE1206 Patient Age as of 12/31/2006 (Not Rounded)		
Type: Numeric	Length: 3	Variable Source: Calculated
Value	Description	Frequency
0 - 17	0 - 17	1,370,276
18 - 64	18 - 64	13,078,470
65 - 110	65 - 110	314,150
Missing	Missing	2
Notes: This variable represents the non-rounded age of a patient as of December 31, 2005. Ages calculated to be less than 0 or greater than 110 have been set to missing. For rounded age, see RAGE1205.		

RAGE Patient Age at Service		
Type: Numeric	Length: 3	Variable Source: Calculated
Value	Description	Frequency
0 - 17	0 - 17	1,496,355
18 - 64	18 - 64	13,229,572
65 - 110	65 - 110	36,967
Missing	Missing	4
Notes: This variable represents the rounded age of a patient at the time of prescription fill-up. Ages calculated to be less than 0 or greater than 110 have been set to missing.		

RAGE1206 Patient Age as of 12/31/2006		
Type: Numeric	Length: 3	Variable Source: Calculated
Value	Description	Frequency
0 - 17	0 - 17	1,433,317
18 - 64	18 - 64	13,185,672
65 - 110	65 - 110	143,907
Missing	Missing	2
Notes: This variable represents the rounded age of a patient as of December 31, 2005. Ages calculated to be less than 0 or greater than 110 have been set to missing. For the non-rounded age, see R_NAGE1205.		

RBILL Billed Charge-BC (\$)		
Type: Numeric	Length: 8	Variable Source: Payer-Submitted
Value	Description	Frequency
> 500	> 500	273,929
0	0	330
101 - 500	101 - 500	4,085,246
10-Jan	10-Jan	1,669,588
25-Nov	25-Nov	2,699,807
26 - 50	26 - 50	2,574,880
51 - 100	51 - 100	3,459,118
Notes: Billed charge is the drug retail amount (including dispensing fees and administrative costs).		

RBIRTHMO Patient Birth Month		
Type: Character	Length: 2	Variable Source: Payer-Submitted
Value	Description	Frequency
01 thru 12	Month = 01-12	14,762,898

Notes: This variable contains the patient's birth month.

RBIRTHYR **Patient Birth Year**

Type: Character Length: 4 Variable Source: Payer-Submitted		
Value	Description	Frequency
1890-1942	Year = 1890-1942	314,150
1943-1989	Year = 1943-1989	13,078,470
1990-2006	Year = 1990-2006	1,370,276
9999	Year = 9999	2

Notes: This variable contains the patient's birth year.

RCOVTYPE **Coverage Type**

Type: Character Length: 1 Variable Source: Payer-Submitted		
Value	Description	Frequency
1	Medicare Supplemental(Indvl,Grp,WRAP)	5,355
2	Individual Plan	415,536
3	Priv Employr Sponsord Fully Self-Insured	3,621,541
4	Private Employer Sponsored Insured	2,739,222
5	Public Employee	3,572,925
6	Comprehensive Std Health Benefit Plan	3,659,039
7	Mcare srv provided by a Mcare HMO/HCFA	93
8	Taft Hartley Jointly Managed Trust Fund	23,995
9	Payer Code=9 (Unknown)	13,510
Missing	Unknown	710,630
Other	Code Invalid	1,052

Notes: This variable contains the patient's type of insurance coverage. This variable is copied from the encounter data after linking the two files by PIDBDG.

RDELIVTYP **Delivery System Type**

Type: Character Length: 1 Variable Source: Payer-Submitted		
Value	Description	Frequency
1	HMO (Non-Medicaid,Includes Medicare)	7,629,100
2	PPO-POS	2,391,499
3	PPO or Other Managed Care	3,033,558
4	Indemnity Care	148,779
5	HMO-POS Rider	844,584
9	Payer Code=9 (Not Coded)	3,754
Missing	Unknown	710,630
Other	CodeInvalid	994

Notes: This variable contains the type of delivery system for rendering service. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RDENRDATE **Disenrollment Date**

Type: Character Length: 8 Variable Source:		
Value	Description	Frequency
Missing	Date Components Incomplete	11,511,303
Reported	Date Components Complete	3,251,595

Notes: This variable contains the patient's disenrollment date. This variable is copied from the Encounter data after linking

the two files by PIDBDG.

RENDATE **Enrollment Date**

Type: Character Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
Missing	Date Components Incomplete	803,865
Reported	Date Components Complete	13,959,033

Notes: This variable contains the patient's enrollment date. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RF_10K **Flag for Payment > 10K**

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Payment <= 10K	14,762,898

Notes: This flag identifies payments over \$10,000.00 as outliers.

RF_ANAL **Analysis Flag(1-Analysis, 0-Exclude)**

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Kept for Analysis	14,762,898

Notes: This flag identifies records kept for the prescription drug report. The flag was created to match the analysis flag used for various prescription drug use and expenditure reports. The following 11 criteria were used to exclude records from the analysis file (excluded records are identified by RF_ANAL= 0).

- 1) Exclude records not filled in current year (2006). These records are identified by RF_YR07=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2,3,4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.
- 10) Exclude records for patients that are 65 years old and older. These records are identified by RF_YR65=1.
- 11) Exclude records of patients covered by Medicare plans (Medicare Supplemental and Medicare+Choice). These records are identified by RF_COV17=1.

RF_COV17 **Medicare Coverage Flag**

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other Coverage Type	14,762,898

Notes: This flag identifies records with Medicare coverage type (type = 1 or 7).

RF_DBC **Debit/Credit Flag**

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No D/C pairs	14,703,647
2	Complete Duplicate Set	26,077
3	Partial Duplicate Set	23,460
4	Not D/C after Adj.	9,714
Notes: This flag identifies debit/credit, and duplicate records. Below is a brief explanation of how the flag is assigned. The flag RF_DBC for all records without duplicate fill (no similar prescription is filled the same day for the same patient) is set to 0. Over 99 percent of all the records have no debit/credit problems. The remaining records go through three passes. In the first pass, if two bills for the same patient, the same NDC, and the same fill date have positive and negative payments canceling each other, the flag RF_DBC is set to 1. Using the remaining non-flagged records in the first pass, if two records are complete duplicates, RF_DBC is set to 2 and if the records are partial duplicates, RF_DBC is set 3. In the last pass, all records without a flag in the second pass have their flag RF_DBC set to 4.		

RF_DEA DEA Number(1=Valid, 0=Other, 2=Blank)		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other	1,950,837
1	Valid	12,758,663
9	Missing	53,398
Notes: This flag identifies valid DEA Numbers. The validation matches payer's submitted DEA numbers with a look-up list of DEA numbers from the US Drug Enforcement Agency (DEA).		

RF_ELINK Pharmacy/Encounter Link Flag		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Link By PATID-DOB-SEX	14,052,268
Notes: This flag identifies pharmacy records that link with encounter records by PIDBDG.		

RF_FINMS All 3 Financial Vars=0/Missing (1/0)		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No-All Financial Variables <> 0 or Missing	14,762,898
Notes: This flag identifies records with all financial variables equal 0 or missing.		

RF_MD Maryland Residency Indicator (1-MD, 0-non MD)		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	MD	14,762,898
Notes: This flag identifies MD residents using the patient's ZIP Code. Any patient with at least one prescription service while residing in Maryland is regarded as a Maryland resident. Non-MD residents are excluded from the analysis file.		

RF_MEDSUP Medical Supply Indicator(0=No, 1=Yes)		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency

0	Not a Medical Supply	14,518,215
1	Medical Supply	201,783
9	Unknown	42,900

Notes: This flag identifies medical supply NDCs. Medical supplies products include medical supplies, diagnostic supplies, and nutritional supplements.

RF_MOANAL

Mail Order Analysis Flag(1-Analysis, 0-Exclude)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Used In Mailorder Analysis	14,762,898

Notes: This variables was created to identify records to be used in the 2004 Maintenance Drug Prescriptions Mail Order Purchase Study as mandated by Senate Bill 885. The mail-order analysis file is different from the regular analysis file because the latter includes the population over 64 years old as well as patients covered by Medicare plan. The following nine criteria were used to exclude records from the mail-order analysis file (excluded records are identified by RF_MOANAL= 0).

- 1) Exclude records not filled in current year (2006). These records are identified by RF_YR07=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2, 3, 4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.

RF_MORDER

Mail Order Flag(0=No, 1=Yes)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Not Mail Order	14,104,091
1	Mail Order	658,807

Notes: This flag identifies prescription drugs filled through mail order. Payers were requested to provide a list of mail-order pharmacies (NCPDP number). All the numbers provided were compiled into a master list. The master list was used for all payers regardless of whether or not a payer included an NCPDP in the submitted list.

RF_NDC

NDC Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Matches NDC	14,719,825
1	Not Match NDC	43,073

Notes: The flag identifies NDC codes that do not match with NDC's in the Multum lexicon database.

RF_NDRUG

New Drug Flag

Type: Character Length: 1 Variable Source: Flag		
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Value	Description	Frequency
1	Branded, new	1,683,934
2	Branded, not new	4,979,865
3	Generic	7,826,452
4	Unknown	272,647

Notes: This flag identifies branded and generic drugs. Drugs are branded new if they were approved in last 4 years. Branded drug without known approval date are classified as branded, not new. The New Drug Flag is 4 either because it is unknown or the product is a medical supply.

RF_NDUP

Duplicate Set W/ at least One Neg. Bill

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other	14,762,898

Notes: This flag identifies duplicate sets with at least one member with negative bill charge.

RF_PATID

Patient ID Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Patid=OK	14,762,898

Notes: This flag identifies invalid patient ID.

RF_PAYMD

Payment Category (1=<0,2=0,3=>0,4=-)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
2	Zero Payment	82
3	Positive Payment	14,762,816

Notes: This flag categorizes payment as negative, zero, positive or missing.

RF_PLINK

Pharmacy/Provider Link Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No Link	1,410,037
1	Link By DEANUM	11,910,946
2	Link By PROVID	1,441,913
3	Link By FEDTAXID	2

Notes: This flag identifies pharmacy records that link with provider file. The pharmacy file is linked to the provider file to extract practitioner's specialty information.

RF_SELF

Self Insurance Coverage Indicator

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Fully Insured Coverage Type	10,484,553
1	Self Insured Coverage Type	3,664,611
2	Other	613,734

Notes: This flag categorizes medical coverage into self insured and fully insured.

RF_YR07 Prescription Filled in 2007(1:>=07 0:<07)		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No - Service Provided in 2006	14,762,898
Notes: This flag identifies prescription services filled in 2006.		

RF_YR65 Age 65+ Flag(0:<65, 1:>=65, 2:Missing)		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Age <65	14,762,896
2	Age Missing	2
Notes: This flag identifies patients 65 years old and over. The flag is assigned based on the non rounded patient age as of 12/31/2005 (R_NAGE1205). Using rounded age puts 64.51-64.99 year-old patients into the 65+ age category.		

RMSCAT Medical Supply Category		
Type: Character Length: 5 Variable Source: Assigned		
Value	Description	Frequency
10010	Bandages	1
10011	Wound Care Supplies	7
10012	Needles Syringes And Injection Supplies	45,677
10013	Blood Glucose Monitoring Supplies	147,360
10014	Urine Tests	625
10016	Nutritional Supplements	2
10017	Diaphragms	591
10020	Respiratory Therapy Supplies	6,667
10025	Bulk Compounding Chemicals	206
10026	Diagnostic Tests	168
10028	Natural Supplements	3
10029	Administration Devices	85
10030	Medical Supplies	390
10032	Homeopathic Medication	1
Missing	Unknown	14,561,115
Notes: This variable contains the medical supply categories. The medical supply category is missing either because it is unknown or the product is a prescription drug.		

RN_ZIP_S Adjusted Pharmacy Zip Code (Using NACDS data)		
Type: Character Length: 5 Variable Source: NACDS+Payer-Sub		
Value	Description	Frequency
Missing	Value Missing	171,194
Reported	Value Not Missing	14,591,704
Notes: This variable represents Adjusted Pharmacy Zip Code. NACDS data were used to fill in the pharmacy ZIP Codes where the payer did not provide the field value. About 2 percent of all records with missing pharmacy ZIP Codes were filled using NACDS data. For the payer submitted pharmacy zip code, see RZIP_S.		

RPATLIAB Patient Liability-PL (\$)		
Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency

> 500	> 500	2,080
0-Jan	0-Jan	282,251
101 - 500	101 - 500	135,939
10-Jan	10-Jan	6,405,935
26 - 50	26 - 50	2,661,785
39777	39777	4,682,774
51 - 100	51 - 100	592,134

Notes: This variable contains the amount that the patient is required to pay for a prescription service (i.e. coinsurance, co-payments, and deductibles).

RPATZIP

Patient Residence ZIP Code

Type: Character		Length: 5	Variable Source: Payer-Submitted
Value	Description	Frequency	
Missing	Value Missing	688	
Reported	Value Not Missing	14,762,210	

Notes: This variable contains the ZIP Code of patient's residence.

RPAYMENT

Payment = Sum(RA,PL)

Type: Numeric		Length: 8	Variable Source: Calculated
Value	Description	Frequency	
> 500	> 500	209,205	
0-Jan	0-Jan	82	
101 - 500	101 - 500	3,309,835	
10-Jan	10-Jan	3,001,694	
26 - 50	26 - 50	2,436,963	
39777	39777	2,625,800	
51 - 100	51 - 100	3,179,319	

Notes: This variable contains the total amount paid for a prescription. Payment is the sum of patient liability and reimbursement amount.

RPHARMCTY

Pharmacy County

Type: Character		Length: 3	Variable Source: Assigned
Value	Description	Frequency	
1	Allegany	122,100	
11	Caroline	71,315	
13	Carroll	442,493	
15	Cecil	163,654	
17	Charles	373,045	
19	Dorchester	81,022	
21	Frederick	786,928	
23	Garrett	50,814	
25	Harford	619,796	
27	Howard	722,915	
29	Kent	69,807	
3	Anne Arundel	1,257,204	
31	Montgomery	2,516,914	
33	Prince George	2,042,196	
35	Queen Annes	126,022	
37	Saint Marys	250,534	
39	Somerset	23,069	

41	Talbot	131,302
43	Washington	330,456
45	Wicomico	206,653
47	Worcester	132,995
5	Baltimore	1,855,829
510	Baltimore City	693,003
9	Calvert	274,777
999	Missing/Unknown	1,418,055

Notes: This variable represents the Maryland county in which a pharmacy is located. The Missing/Unknown category includes non-MD pharmacies.

RPHARMGRP **Pharmacy Group**

Type: Character Length: 1 Variable Source: Assigned		
Value	Description	Frequency
1	Chain	5,999,744
2	Independent	2,917,149
3	Super Market/Mass Market	4,533,889
4	Mail Order	658,807
9	Other-Non MD	653,309

Notes: This variable represents the pharmacy group category. The categorization is done by grouping one or more chain indicators based on MHCC specifications.

RREIMB **Reimbursement Amount-RA (\$)**

Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	195
> 500	> 500	183,600
0-Jan	0-Jan	3,988,833
101 - 500	101 - 500	2,259,160
10-Jan	10-Jan	2,005,946
26 - 50	26 - 50	1,983,500
39777	39777	1,836,627
51 - 100	51 - 100	2,505,037

Notes: This variable contains the amount paid to the pharmacy by a payer.

RSCRIPT **Number of Adjusted or 30-day Script**

Type: Character Length: 3 Variable Source: Calculated		
Value	Description	Frequency
1	Drugspl <= 30	11,880,885
2	30 < Drugspl <= 60	671,793
3	Drugspl > 60	2,210,220

Notes: This variable represents the number of adjusted 30-day scripts or normalized scripts. Any drug supply of less or equal to 30 counts as one 1 script. Any drug supply between 31 and 60 days counts as two scripts and any supply over 60 days counts as 3 scripts.

RSEX **Patient Sex**

Type: Character Length: 1 Variable Source: Payer-Submitted		
Value	Description	Frequency

1	Male	5,784,206
2	Female	8,967,880
3	Payer Code=3 (Not Coded)	10,812

Notes: This variable contains the sex of patient.

RSPECL1

Practitioner/Supplier Specialty-1

Type: Character		Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	General Practice	49,018	
10	Gastroenterology	198,044	
100	Neonatology	273	
101	Multi-Specialty Medical Practice	1,224,186	
102	Mental Health Clinic	12	
11	Geriatrics	1,038	
12	Hand Surgery	1,856	
13	Hematology	29,554	
14	Internal Medicine	4,237,364	
15	Infectious Disease	27,169	
16	Nephrology	48,399	
17	Neurology	171,918	
18	Nuclear Medicine	417	
19	Oncology	35,228	
2	General Surgery	67,961	
20	Ophthalmology	76,502	
21	Orthopedic Surgery	153,879	
22	Osteopathy (include manipulations)	312	
23	Otology/Laryngo/Rhino/Otolaryngo	113,910	
24	Pathology	6,573	
25	Pediatrics	802,852	
26	Peripheral Vascular Disease/Surgery	674	
27	Plastic Surgery	24,776	
28	Physical Medicine & Rehabilitation	62,158	
29	Proctology	366	
3	Allergy & Immunology	125,026	
30	Psychiatry	504,605	
31	Pulmonary Disease	72,456	
32	Radiology	5,959	
33	Rheumatology	103,426	
34	Surgical Specialty Not Listed Here	38,214	
35	Thoracic Surgery	1,366	
36	Urology	92,258	
37	Misc Special (pub health/indusl med)	453	
38	Physician w/o Identfd Spec/Not Listd	19,725	
39	Obstetrics/Gynecology	763,331	
4	Anesthesiology	39,351	
40	Acupuncturist	51	
44	Chiropractor	1,321	
45	Freestanding Clinic-Not a Govt Agncy	5	
5	Cardiology	274,166	
50	Advanced Practice Nurse: Midwife	10,242	
51	Advancd Practice Nurse: Nurse Practitioner	59,585	
52	Advd Practice Nurse: Psychotherapist	17	
53	Nurse Other than Advanced Practice	369	
54	Occupational Therapist	10	

55	Optometrist	703
56	Podiatrist	49,198
57	Physical Therapist	2,137
58	Psychologist	1,866
59	Clinical Social Worker	221
6	Dermatology	230,456
60	Pub Health/Welf Agy-fed & local govt	52
62	Other Specialty Not Listed Above	1,224
7	Emergency Medicine	116,275
70	General Dentist	84,443
71	Endodontist	7,575
72	Orthodontist	590
73	Oral Surgeon	51,463
74	Pedodontist	2,556
75	Periodontist	11,855
76	Prosthodontist	46
8	Endocrinology Medicine	170,400
80	Freestanding Pharmacy incl grocery	915,109
81	Mail Order Pharmacy	9
82	Independent Laboratory	5
83	Independent Medical Supply Company	2
84	Optician/Optometrist	63
9	Family Practice	2,250,707
90	Freestanding Medical Facility	433
93	Other Facility	9,098
Missing	Value Missing	1,410,037

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RSPECL2

Practitioner/Supplier Specialty-2

Type: Character		Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	General Practice	133,655	
10	Gastroenterology	29,235	
100	Neonatology	4,968	
101	Multi-Specialty Medical Practice	817	
102	Mental Health Clinic	32	
11	Geriatrics	84,965	
12	Hand Surgery	14,094	
13	Hematology	30,517	
14	Internal Medicine	847,453	
15	Infectious Disease	58,994	
16	Nephrology	40,056	
17	Neurology	16,263	
18	Nuclear Medicine	3,242	
19	Oncology	40,001	
2	General Surgery	52,476	
20	Ophthalmology	8,991	
21	Orthopedic Surgery	18,369	
22	Osteopathy (include manipulations)	8,763	
23	Otology/Laryngo/Rhino/Otolaryngo	5,373	
24	Pathology	17,827	
25	Pediatrics	147,148	

26	Peripheral Vascular Disease/Surgery	8,639
27	Plastic Surgery	10,898
28	Physical Medicine & Rehabilitation	6,157
29	Proctology	5,460
3	Allergy & Immunology	23,244
30	Psychiatry	26,097
31	Pulmonary Disease	50,489
32	Radiology	13,755
33	Rheumatology	24,661
34	Surgical Specialty Not Listed Here	44,832
35	Thoracic Surgery	3,921
36	Urology	7,441
37	Misc Special (pub health/indusl med)	19,453
38	Physician w/o Identfd Spec/Not Listd	191,182
39	Obstetrics/Gynecology	44,081
4	Anesthesiology	9,262
40	Acupuncturist	9,096
41	Alcohol/Drug Detox Services	1,567
42	Ambulance Services	180
43	Audiologist/Speech Pathologist	245
44	Chiropractor	6,538
45	Freestanding Clinic-Not a Govt Agncy	92
49	Advanced Practice Nurse: Anesthetist	1,288
5	Cardiology	43,312
50	Advanced Practice Nurse: Midwife	1,909
51	Advancd Practice Nurse: Nurse Practitioner	29,474
52	Advd Practice Nurse: Psychotherapist	2,673
53	Nurse Other than Advanced Practice	367
54	Occupational Therapist	3,746
55	Optometrist	2,180
56	Podiatrist	2,355
57	Physical Therapist	8,018
58	Psychologist	24,717
59	Clinical Social Worker	8,938
6	Dermatology	10,819
60	Pub Health/Welf Agy-fed & local govt	2,247
62	Other Specialty Not Listed Above	25,997
7	Emergency Medicine	74,216
70	General Dentist	25,473
71	Endodontist	871
72	Orthodontist	62
73	Oral Surgeon	14,624
74	Pedodontist	646
75	Periodontist	928
76	Prosthodontist	82
8	Endocrinology Medicine	59,079
80	Freestanding Pharmacy incl grocery	4,621,482
81	Mail Order Pharmacy	5,468
82	Independent Laboratory	2,632
83	Independent Medical Supply Company	184
84	Optician/Optometrist	399
9	Family Practice	233,870
90	Freestanding Medical Facility	4,265
91	Freestanding Surgical Facility	1,300
92	Freestanding Imaging Center	52
93	Other Facility	5,950

Missing	Value Missing	7,472,746
Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.		

RSPECL3 Practitioner/Supplier Specialty-3		
Type: Character Length: 3 Variable Source: Payer-Submitted		
Value	Description	Frequency
1	General Practice	57,176
10	Gastroenterology	10,208
100	Neonatology	11,164
101	Multi-Specialty Medical Practice	77
11	Geriatrics	69,230
12	Hand Surgery	1,692
13	Hematology	10,415
14	Internal Medicine	135,933
15	Infectious Disease	9,094
16	Nephrology	5,972
17	Neurology	5,662
18	Nuclear Medicine	6,855
19	Oncology	5,684
2	General Surgery	15,197
20	Ophthalmology	11,799
21	Orthopedic Surgery	5,025
22	Osteopathy (include manipulations)	1,929
23	Otology/Laryngo/Rhino/Otolaryngo	2,237
24	Pathology	6,706
25	Pediatrics	58,085
26	Peripheral Vascular Disease/Surgery	1,353
27	Plastic Surgery	1,309
28	Physical Medicine & Rehabilitation	1,267
29	Proctology	1,280
3	Allergy & Immunology	22,120
30	Psychiatry	16,626
31	Pulmonary Disease	16,714
32	Radiology	1,251
33	Rheumatology	1,248
34	Surgical Specialty Not Listed Here	10,676
35	Thoracic Surgery	3,606
36	Urology	1,891
37	Misc Special (pub health/indusl med)	460
38	Physician w/o Identfd Spec/Not Listd	115,989
39	Obstetrics/Gynecology	51,829
4	Anesthesiology	986
40	Acupuncturist	13,373
43	Audiologist/Speech Pathologist	59
44	Chiropractor	13,787
45	Freestanding Clinic-Not a Govt Agency	5,227
47	Dietitian/Licensed Nutritionist	11
49	Advanced Practice Nurse: Anesthetist	158
5	Cardiology	10,888
50	Advanced Practice Nurse: Midwife	95
51	Advanced Practice Nurse: Nurse Practitioner	11,770
53	Nurse Other than Advanced Practice	1,830

54	Occupational Therapist	1,220
55	Optometrist	6,617
56	Podiatrist	2,094
57	Physical Therapist	10,008
58	Psychologist	16,603
59	Clinical Social Worker	13,064
6	Dermatology	174
62	Other Specialty Not Listed Above	6,426
7	Emergency Medicine	45,133
70	General Dentist	29,679
71	Endodontist	1,908
72	Orthodontist	845
73	Oral Surgeon	248
74	Pedodontist	35
76	Prosthodontist	8
8	Endocrinology Medicine	5,711
80	Freestanding Pharmacy incl grocery	921,540
81	Mail Order Pharmacy	561
82	Independent Laboratory	2,859
83	Independent Medical Supply Company	2,162
84	Optician/Optometrist	251
9	Family Practice	93,806
90	Freestanding Medical Facility	5,730
91	Freestanding Surgical Facility	148
93	Other Facility	799
Missing	Value Missing	12,859,326

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RZIP_S Pharmacy ZIP Code

Type: Character		Length: 5	Variable Source: Payer-Submitted
Value	Description	Frequency	
Missing	Value Missing	782,763	
Reported	Value Not Missing	13,980,135	

Notes: This variable contains the ZIP Code of pharmacy where prescription was dispensed.

**2005 Maryland Medical Care Database
Pharmacy Analysis file
ANALRX05_V2.SAS7BDAT**

Contents Output

Data Set Name	IN3.ANALRX05_V2	Observations	14395254			
Member Type	DATA	Variables	67			
Engine	V9	Indexes	0			
Created	Thu, Dec 06, 2007 12:19:46 PM	Observation Length	262			
Last Modified	Thu, Dec 06, 2007 12:19:46 PM	Deleted Observations	0			
Protection		Compressed	BINARY			
Data Set Type		Reuse Space	NO			
Label		Point to Observations	YES			
Data Representation	WINDOWS_32	Sorted	NO			
Encoding	wlatin1 Western (Windows)					
Engine/Host Dependent Information						
Data Set Page Size		12288				
Number of Data Set Pages		251128				
Number of Data Set Repairs		0				
File Name		D:\MCDB\Analysis\data\analrx05_v2.sas7bdat				
Release Created		9.0101M3				
Host Created		XP_PRO				
Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
57	APPRDATE	Num	8			FDA Approval Date
66	CHNIND	Char	1			Chain Indicator
27	DEANUM	Char	11			Practitioner DEA#
33	DRUGQTY	Num	4			Drug Quantity (No. of Units Dispensed)
34	DRUGSPL	Num	3			Drug Supply (Est. # of Supply Days)

28	DRUG_ID	Char	6			Multum Drug ID
38	FILLDATE	Num	8			Date Prescription Filled
12	FILLDD	Char	2			Day Prescription Filled
13	FILLMO	Char	2			Month Prescription Filled
14	FILLYR	Char	4			Year Prescription Filled
56	GB0	Char	1	\$1.	\$1.	Generic/Brand Indicator
55	MMDC	Char	5			Main Multum Drug Code
58	MULTDC1	Char	3			Multum Drug Category 1
59	MULTDC2	Char	3			Multum Drug Category 2
60	MULTDC3	Char	3			Multum Drug Category 3
61	MULTDC4	Char	3			Multum Drug Category 4
15	NCPDP	Char	7			Pharmacy Number (NCPDP)
16	NDC	Char	12			National Drug Code (NDC-11 Chars)
53	NDCLABL	Char	9			Labeler-Product Code(Chars 1-9 of NDC)
54	NDCPACK	Char	2			Package Code(Chars 10-11 of NDC)
17	PATID	Char	14			Patient ID, Encrypted
11	PIDBDG	Char	25			Unique Patient ID
35	PNUM	Char	4			Payer Unique ID
5	RAGE	Num	3			Patient Age at Service
6	RAGE1205	Num	3			Patient Age as of 12/31/2005
30	RBILL	Num	8			Billed Charge-BC (\$)
19	RBIRTHMO	Char	2			Patient Birth Month
20	RBIRTHYR	Char	4			Patient Birth Year
7	RCOVTYPE	Char	1			Coverage Type
8	RDELIVTYP	Char	1			Delivery System Type
9	RDENRDATE	Num	8	MMDDYY10.		Disenrollment Date
10	RENDATE	Num	8	MMDDYY10.		Enrollment Date

39	RF_10K	Char	1			Flag for Payment > 10K
3	RF_ANAL	Char	1			Analysis Flag(1-Analysis, 0-Exclude)
43	RF_COV17	Char	1			Medicare Coverage Flag
1	RF_DBC	Char	1			Debit/Credit Flag
65	RF_DEA	Char	1			Deanum(1=Valid, 0=Other, 2=Blank)
42	RF_ELINK	Char	1			Encounter Linkage Indicator
24	RF_FINMS	Char	1			All 3 Financial Vars=0/Missing (1/0)
41	RF_MD	Char	1			Maryland Residency Indicator (1-MD, 0-non MD)
29	RF_MEDSUP	Char	1			Medical Supply Indicator(0=No, 1=Yes)
51	RF_MOANAL	Char	1			Mail Order Analysis Flag(1-Analysis, 0-Exclude)
62	RF_MORDER	Char	1			Mail Order Flag(0=No, 1=Yes)
4	RF_NDC	Char	1			NDC Flag
63	RF_NDRUG	Char	1			New Drug Flag
2	RF_NDUP	Char	1			Duplicate Set W/ at least One Neg. Bill
40	RF_PATID	Char	1			Patient ID Flag
25	RF_PAYMD	Char	1			Payment Category (1=<0,2=0,3=>0,4=.)
47	RF_PLINK	Char	1			Pharmacy/Provider Link Flag
45	RF_SELF	Char	1			Self Insurance Coverage Indicator
23	RF_YR06	Char	1			Prescription Filled in 2006(1:>=06 0:<06)
64	RF_YR65	Char	1			Age 65+ Flag(0:<65, 1:>=65, 2:Missing)
36	RMSCAT	Char	5			Medical Supply Category
46	RN_ZIP_S	Char	5			Adjusted Pharmacy Zip Code (Using NACDS data)
32	RPATLIAB	Num	8			Patient Liability-PL (\$)
21	RPATZIP	Char	5			Patient Residence ZIP Code
37	RPAYMENT	Num	8			Payment = Sum(RA,PL)
44	RPHARMCTY	Char	3			Pharmacy County
67	RPHARMGRP	Char	1			Pharmacy Group
31	RREIMB	Num	8			Reimbursement Amount-RA (\$)

52	RSCRIPT	Num	3			Number of Adjusted or 30-day Script
22	RSEX	Char	1			Patient Sex
48	RSPECL1	Char	3			Practitioner/Supplier Specialty-1
49	RSPECL2	Char	3			Practitioner/Supplier Specialty-2
50	RSPECL3	Char	3			Practitioner/Supplier Specialty-3
18	RZIP_S	Char	5			Pharmacy ZIP Code
26	R_NAGE1205	Num	3			Patient Age as of 12/31/2005 (Not Rounded)

**2005 Maryland Medical Care Database
Pharmacy Analysis File
ANALRX05_V2.SAS7BDAT**

Codebook

APPRDATE FDA Approval Date		
Type: Date	Length: 8	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Date Components Incomplete	471,555
Reported	Date Components Complete	13,923,699
Notes: This variable represents the drug approval date by FDA.		

CHNIND Chain Indicator		
Type: Character	Length: 1	Variable Source: Assigned
Value	Description	Frequency
A	In Associations, Like Epic	270,378
C	Chain Drug Stores	5,544,504
D	Mass Merchants	1,068,411
G	Super Markets	3,535,315
I	Independent Drug Stores	1,540,206
M	Mail Order	634,008
O	Other Non MD Pharmacies	635,905
U	Institution/Practice Based Pharmacies	1,100,204
X	Other MD Pharmacy	66,323
Notes: This variable represents a chain indicator. Non-Maryland pharmacies category does not include mail-order pharmacies. Other Maryland pharmacies are pharmacies located in Maryland for which there is no known category.		

DEANUM Practitioner DEA#		
Type: Character	Length: 11	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	3,767,266
Reported	Value Not Missing	10,627,988
Notes: This variable represents Drug Enforcement Agency number (DEA #). The DEA # is assigned to providers registered under the Controlled Substance Act by the Drug Enforcement Administration of the U.S. Department of Justice. DEA number is used as a unique practitioner identifier in the Pharmacy Database.		

DRUG_ID Multum Drug ID		
Type: Character	Length: 6	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Value Missing	277,093
Reported	Value Not Missing	14,118,161
Notes: This variable represents the Drug Identification Number. Each code is written in the form "d#####" and identifies a unique generic drug. The Drug Identification Number is missing either because it is unknown or the product is a medical supply.		

DRUGQTY

Drug Quantity (No. of Units Dispensed)		
Type: Numeric Length: 4 Variable Source: Payer-Submitted		
Value	Description	Frequency
.		35
0	0	2,763
30-Jan	30-Jan	8,117,467
31 - 60	31 - 60	2,572,278
61 - 90	61 - 90	2,024,409
90+	> 90	1,678,302
Notes: This variable represents the number of units of drug dispensed.		

DRUGSPL Drug Supply (Est. # of Supply Days)		
Type: Numeric Length: 3 Variable Source: Payer-Submitted		
Value	Description	Frequency
0	0	13,031
30-Jan	30-Jan	11,555,176
31 - 60	31 - 60	729,108
61 - 90	61 - 90	2,067,863
90+	> 90	30,076
Notes: This variable represents the estimated number of days of dispensed supply.		

FILLDATE Date Prescription Filled		
Type: Date Length: 8 Variable Source: Calculated		
Value	Description	Frequency
Reported	Date Components Complete	14,395,254
Notes: This variable represents the date a prescription was filled.		

FILLDD Day Prescription Filled		
Type: Character Length: 2 Variable Source: Payer-Submitted		
Value	Description	Frequency
01 thru 31	Day = 01-31	14,395,254
Notes: This variable represents the day a prescription was filled.		

FILLMO Month Prescription Filled		
Type: Character Length: 2 Variable Source: Payer-Submitted		
Value	Description	Frequency
01 thru 12	Month = 01-12	14,395,254
Notes: This variable represents the month a prescription was filled.		

FILLYR Year Prescription Filled		
Type: Character Length: 4 Variable Source: Payer-Submitted		
Value	Description	Frequency
2005	Year = 2005	14,395,254
Notes: This variable represents the year a prescription was filled. Year 2005 includes prescription drugs filled for the whole year but Year 2006 includes only prescription drugs filled from January 1, 2006 through April 30, 2006		

GBO		
Generic/Brand Indicator		
Type: Character	Length: 1	Variable Source: Multum Lexicon
Value	Description	Frequency
G	Generic	7,078,084
Missing	Unknown	258,300
N	Brand	7,058,870
Notes: This variable designates the drug status as brand or generic. The generic/brand indicator is missing either because it is unknown or the product is a medical supply.		

MMDC		
Main Multum Drug Code		
Type: Character	Length: 5	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Unknown	258,300
Reported	Value Not Missing	14,136,954
Notes: This variable represents the main Multum drug code (MMDC). Each code is a unique combination of active ingredient(s), strength, route of administration, and dosage form. This variable is used to identify drugs that share the above 4 characteristics across different manufacturers and labels. The main Multum drug code is missing either because it is unknown or the product is a medical supply.		

MULTDC1		
Multum Drug Category 1		
Type: Character	Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency
10	Leprostatics	1,979
100	Miscellaneous Hormones	28,279
102	Contraceptives	686,106
103	Thyroid Drugs	316,932
104	Immunosuppressive Agents	22,632
106	Antidotes	1,988
107	Chelating Agents	1,711
108	Cholinergic Muscle Stimulants	1,017
109	Local Injectable Anesthetics	4
110	Miscellaneous Uncategorized Agents	10,199
111	Psoralens	439
116	Iron Products	82,596
117	Minerals And Electrolytes	83,016
118	Oral Nutritional Supplements	187
119	Vitamins	53,924
12	Miscellaneous Antibiotics	62,325
120	Vitamin And Mineral Combinations	27,288
121	Intravenous Nutritional Products	24
123	Antihistamines	311,484
124	Antitussives	23,267
126	Methylxanthines	5,230
128	Expectorants	167
129	Miscellaneous Respiratory Agents	635
131	Antiasthmatic Combinations	5
132	Upper Respiratory Combinations	337,607
134	Anorectal Preparations	6,115
135	Antiseptic And Germicides	14,733

137	Topical Anti-Infectives	19,772
138	Topical Steroids	223,923
139	Topical Anesthetics	27,759
14	Quinolones	199,157
140	Miscellaneous Topical Agents	34,093
141	Topical Steroids With Anti-Infectives	34,345
143	Topical Acne Agents	157,130
144	Topical Antipsoriatics	11,956
146	Mouth And Throat Products	12,364
15	Sulfonamides	4,700
150	Sterile Irrigating Solutions	101
153	Plasma Expanders	1
154	Loop Diuretics	62,150
155	Potassium-Sparing Diuretics	17,909
156	Thiazide Diuretics	198,383
157	Carbonic Anhydrase Inhibitors	2,712
159	First Generation Cephalosporins	105,500
16	Tetracyclines	123,687
160	Second Generation Cephalosporins	40,926
161	Third Generation Cephalosporins	55,011
162	Fourth Generation Cephalosporins	1
163	Ophthalmic Anti-Infectives	84,106
164	Ophthalmic Glaucoma Agents	45,679
165	Ophthalmic Steroids	14,701
166	Ophthalmic Steroids With Anti-Infectives	15,777
167	Ophthalmic Anti-Inflammatory Agents	12,275
168	Ophthalmic Lubricants And Irrigations	50
17	Urinary Anti-Infectives	38,590
170	Otic Anti-Infectives	8,440
171	Otic Steroids With Anti-Infectives	33,579
172	Miscellaneous Otic Agents	6,722
173	HMG-CoA Reductase Inhibitors	544,864
175	Protease Inhibitors	12,101
176	NRTIs	12,755
177	Miscellaneous Antivirals	1,584
178	Skeletal Muscle Relaxants	176,942
179	Skeletal Muscle Relaxant Combinations	1,243
18	Aminoglycosides	1,483
180	Adrenergic Bronchodilators	242,319
181	Bronchodilator Combinations	119,146
182	Androgens And Anabolic Steroids	14,343
183	Estrogens	111,050
184	Gonadotropins	7,065
185	Progestins	42,028
186	Sex Hormone Combinations	36,502
187	Miscellaneous Sex Hormones	5,679
191	Narcotic Analgesic Combinations	619,166
192	Antirheumatics	27,015
193	Antimigraine Agents	93,390
194	Antigout Agents	40,952
195	5HT3 Receptor Antagonists	12,456
196	Phenothiazine Antiemetics	11,646
197	Anticholinergic Antiemetics	3,348
198	Miscellaneous Antiemetics	2,132
199	Hydantoin Anticonvulsants	15,819
2	Amebicides	46,082

200	Succinimide Anticonvulsants	530
204	Miscellaneous Anticonvulsants	173,261
205	Anticholinergic Antiparkinson Agents	4,586
208	SSRI Antidepressants	560,679
209	Tricyclic Antidepressants	69,924
21	Alkylating Agents	1,149
210	Phenothiazine Antipsychotics	1,660
211	Platelet Aggregation Inhibitors	49,501
213	Sulfonylureas	110,141
214	Non-Sulfonylureas	159,028
215	Insulin	109,027
216	Alpha-Glucosidase Inhibitors	1,171
217	Bisphosphonates	90,794
219	Nutraceutical Products	1,373
22	Antibiotics/Antineoplastics	2
222	Penicillinase Resistant Penicillins	3,081
223	Antipseudomonal Penicillins	19
224	Aminopenicillins	322,647
225	Beta-Lactamase Inhibitors	160,122
226	Natural Penicillins	58,481
227	NNRTIs	7,637
228	Adamantane Antivirals	3,346
229	Purine Nucleosides	106,001
23	Antimetabolites	23,568
231	Nicotinic Acid Derivatives	2,675
232	Rifamycin Derivatives	1,546
233	Streptomyces Derivatives	1
234	Miscellaneous Antituberculosis Agents	296
235	Polyenes	19
236	Azole Antifungals	80,491
237	Miscellaneous Antifungals	25,720
238	Aminoquinolones	8,234
239	Miscellaneous Antimalarials	39
24	Hormones/Antineoplastics	64,323
240	Lincomycin Derivatives	34,755
241	Fibric Acid Derivatives	61,060
243	Leukotriene Modifiers	115,900
244	Nasal Lubricants And Irrigations	2
245	Nasal Steroids	255,923
246	Nasal Antihistamines And Decongestants	16,264
248	Topical Emollients	6,830
25	Miscellaneous Antineoplastics	10,546
250	Monoamine Oxidase Inhibitors	845
252	Bile Acid Sequestrants	9,459
253	Anorexiant	372
256	Interferons	7,743
257	Monoclonal Antibodies	4,157
26	Mitotic Inhibitors	55
261	Heparins	6,133
262	Coumarins And Indandiones	43,681
263	Impotence Agents	99,561
264	Urinary Antispasmodics	31,112
265	Urinary Ph Modifiers	2,631
266	Miscellaneous Genitourinary Tract Agents	18,285
267	Ophthalmic Antihistamines And Decongestants	39,037
268	Vaginal Anti-Infectives	25,604

269	Miscellaneous Vaginal Agents	166
270	Antipsoriatics	744
271	Thiazolidinediones	92,494
272	Proton Pump Inhibitors	370,444
274	Cardioselective Beta Blockers	317,210
275	Non-Cardioselective Beta Blockers	67,201
276	Dopaminergic Antiparkinsonism Agents	12,493
277	5-Aminosalicylates	23,649
278	Cox-2 Inhibitors	36,272
279	Gonadotropin Releasing Hormones	67
280	Thioxanthenes	436
281	Neuraminidase Inhibitors	11,483
282	Meglitinides	6,648
284	Viscosupplementation Agents	158
286	Mydriatics	1,989
287	Ophthalmic Anesthetics	11
288	5-Alpha-Reductase Inhibitors	7,699
290	Topical Antibiotics	39,302
291	Topical Antivirals	11,943
292	Topical Antifungals	63,203
295	Growth Hormones	2,811
296	Inhaled Corticosteroids	63,827
298	Mast Cell Stabilizers	1,491
299	Anticholinergic Bronchodilators	11,585
3	Anthelmintics	2,759
300	Corticotropin	11
301	Glucocorticoids	197,545
302	Mineralocorticoids	2,124
303	Agents For Pulmonary Hypertension	206
304	Macrolides	323,469
305	Ketolides	25,768
306	Phenylpiperazine Antidepressants	52,633
307	Tetracyclic Antidepressants	12,889
308	Ssri Antidepressants	124,338
309	Miscellaneous Antidiabetic Agents	1,707
31	Bacterial Vaccines	246
311	Dibenzazepine Anticonvulsants	32,481
312	Cholinergic Agonists	1,529
313	Cholinesterase Inhibitors	1,490
314	Antidiabetic Combinations	40,269
316	Cholesterol Absorption Inhibitors	49,975
317	Antihyperlipidemic Combinations	42,185
32	Colony Stimulating Factors	1,559
320	smoking cessation agents	1,254
323	antineoplastic monoclonal antibodies	30
324	antineoplastic interferons	261
327	antiviral combinations	11,108
328	antimalarial combinations	3,174
329	antituberculosis combinations	7
33	Immune Globulins	49
330	antiviral interferons	3,643
333	iodinated contrast media	1
336	non-iodinated contrast media	13
34	In Vivo Diagnostic Biologicals	1
340	aldosterone receptor antagonists	680
341	atypical antipsychotics	73,834

343	tyrosine kinase inhibitors	1,275
36	Recombinant Human Erythropoietins	3,315
37	Toxoids	1
38	Viral Vaccines	40
39	Miscellaneous Biologicals	11
41	Agents For Hypertensive Emergencies	27
42	Angiotensin Converting Enzyme Inhibitors	342,933
43	Antiadrenergic Agents, Peripherally Acting	46,400
44	Antiadrenergic Agents, Centrally Acting	39,025
45	Antianginal Agents	19,740
46	Antiarrhythmic Agents	7,810
48	Calcium Channel Blocking Agents	263,392
50	Inotropic Agents	13,164
51	Miscellaneous Cardiovascular Agents	2,869
52	Peripheral Vasodilators	106
53	Vasodilators	6,011
54	Vasopressors	14,612
55	Antihypertensive Combinations	429,282
56	Angiotensin II Inhibitors	153,485
59	Miscellaneous Analgesics	36,610
60	Narcotic Analgesics	130,987
61	Nonsteroidal Anti-Inflammatory Agents	434,624
62	Salicylates	2,255
63	Analgesic Combinations	54,235
68	Barbiturates	4,359
69	Benzodiazepines	297,196
70	Miscellaneous Anxiolytics, Sedatives And Hypnotics	186,409
71	CNS Stimulants	255,437
72	General Anesthetics	3
76	Miscellaneous Antidepressants	154,299
77	Miscellaneous Antipsychotic Agents	24,096
79	Psychotherapeutic Combinations	2,087
80	Miscellaneous Central Nervous System Agents	570
85	Miscellaneous Coagulation Modifiers	1,109
88	Antacids	41
89	Anticholinergics/Antispasmodics	43,740
90	Antidiarrheals	8,004
91	Digestive Enzymes	3,032
92	Gallstone Solubilizing Agents	3,709
93	GI Stimulants	18,137
94	H2 Antagonists	45,264
95	Laxatives	48,528
96	Miscellaneous GI Agents	24,636
Missing	Unknown	258,300

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 1.

MULTDC2

Multum Drug Category 2

Type: Character		Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency	
102	Contraceptives	39,227	
106	Antidotes	1	
109	Local Injectable Anesthetics	33	
110	Miscellaneous Uncategorized Agents	10,460	

117	Minerals And Electrolytes	49
12	Miscellaneous Antibiotics	43,766
120	Vitamin And Mineral Combinations	82,508
123	Antihistamines	27,413
124	Antitussives	446
127	Decongestants	9
129	Miscellaneous Respiratory Agents	960
140	Miscellaneous Topical Agents	14,605
146	Mouth And Throat Products	13,613
15	Sulfonamides	59,653
174	Miscellaneous Antihyperlipidemic Agents	16,688
179	Skeletal Muscle Relaxant Combinations	56
18	Aminoglycosides	26
182	Androgens And Anabolic Steroids	42
185	Progestins	6,770
186	Sex Hormone Combinations	147,682
192	Antirheumatics	23,094
196	Phenothiazine Antiemetics	38,391
197	Anticholinergic Antiemetics	5,111
198	Miscellaneous Antiemetics	18,137
201	Barbiturate Anticonvulsants	4,305
203	Benzodiazepine Anticonvulsants	170,554
204	Miscellaneous Anticonvulsants	2,530
209	Tricyclic Antidepressants	4,500
210	Phenothiazine Antipsychotics	11,645
211	Platelet Aggregation Inhibitors	2,091
217	Bisphosphonates	81
235	Polyenes	9,534
236	Azole Antifungals	2,594
238	Aminoquinolones	17,726
239	Miscellaneous Antimalarials	71,337
248	Topical Emollients	1,348
25	Miscellaneous Antineoplastics	573
253	Anorexiant	3,340
257	Monoclonal Antibodies	1
263	Impotence Agents	1,326
264	Urinary Antispasmodics	2,263
266	Miscellaneous Genitourinary Tract Agents	3
268	Vaginal Anti-Infectives	66,364
269	Miscellaneous Vaginal Agents	20,392
272	Proton Pump Inhibitors	508
276	Dopaminergic Antiparkinsonism Agents	3,253
277	5-Aminosalicylates	4,605
286	Mydriatics	24
289	Antihyperuricemic Agents	26,381
290	Topical Antibiotics	5,616
292	Topical Antifungals	310
293	Glucose Elevating Agents	1,633
297	Mucolytics	231
301	Glucocorticoids	24,897
303	Agents For Pulmonary Hypertension	64,431
317	Antihyperlipidemic Combinations	5,983
320	smoking cessation agents	154,299
340	aldosterone receptor antagonists	17,345
53	Vasodilators	11,166
Missing	Unknown	13,133,325

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 2.

MULTDC3

Multum Drug Category 3

Type: Character Length: 3 Variable Source: Multum Lexicon		
Value	Description	Frequency
180	Adrenergic Bronchodilators	14,603
185	Progestins	39,227
197	Anticholinergic Antiemetics	168
204	Miscellaneous Anticonvulsants	9
265	Urinary Ph Modifiers	40
270	Antipsoriatics	16,639
Missing	Unknown	14,324,568

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 3.

MULTDC4

Multum Drug Category 4

Type: Character Length: 3 Variable Source: Multum Lexicon		
Value	Description	Frequency
205	Anticholinergic Antiparkinson Agents	168
Missing	Unknown	14,395,086

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 4.

NCPDP

Pharmacy Number (NCPDP)

Type: Character Length: 7 Variable Source: Payer-Submitted		
Value	Description	Frequency
Missing	Value Missing	7,531
Reported	Value Not Missing	14,387,723

Notes: This variable contains a 7-digit number assigned by National Council for prescription Drug program. This number identifies dispensing pharmacies. This variable is a unique identifier of a pharmacy. It is also used to identify mail-order pharmacy (see RF_MORDER) , chain indicator (see CHNIND), and pharmacy group (see PHARMGRP).

NDC

National Drug Code (NDC-11 Chars)

Type: Character Length: 12 Variable Source: Payer-Submitted		
Value	Description	Frequency
Reported	Value Not Missing	14,395,254

Notes: This variable contains the National Drug Code (NDC). The NDC is an 11-digit that identifies each marketed drug/product (including medical supplies). The first 5 numbers identify the manufacturer of a product. The second 4 numbers identify the product, and the last 2 numbers identify the package size of that product.

NDCLABL

Labeler-Product Code(Chars 1-9 of NDC)

Type: Character Length: 9 Variable Source: Assigned		
Value	Description	Frequency
Missing	Value Missing	66,199
Reported	Value Not Missing	14,329,055

Notes: This variable contains the first 9 of the 11 digits of the NDC code. The first 5 numbers identify the manufacturer of a product and the second 4 numbers identify the product.

NDCPACK

Package Code(Chars 10-11 of NDC)

Type: Character Length: 2 Variable Source: Assigned		
Value	Description	Frequency
Missing	Value Missing	66,199
Reported	Value Not Missing	14,329,055

Notes: This variable contains the last 2 of the 11 digits of the NDC code or package code.

PATID

Patient ID, Encrypted

Type: Character Length: 14 Variable Source: Assigned		
Value	Description	Frequency
Reported	Value Not Missing	14,395,254

Notes: This variable represents the encrypted patient ID. The patient ID is assigned by a payer. Some payers assign the same patient ID to all members of a policy, making the ID not unique. For unique patient ID, see PIDBDG.

PIDBDG

Unique Patient ID

Type: Character Length: 25 Variable Source: Assigned		
Value	Description	Frequency
Reported	Value Not Missing	14,395,254

Notes: Some payers assign the same Patient ID to all members of a policy, making the ID not unique. PIDBDG is a unique patient identifier consisting of encrypted patient ID, Year of Birth, Month of Birth and Gender.

PNUM

Payer Unique ID

Type: Character Length: 4 Variable Source: Assigned		
Value	Description	Frequency
P020	Aetna Life & Health Insurance Co.	612,910
P030	Aetna U.S. Healthcare	1,084,999
P070	American Republic Insurance Co.	7,531
P130	CareFirst BlueChoice, Inc.	3,829,090
P131	CareFirst of Maryland, Inc.	1,575,934
P160	CIGNA Healthcare Mid-Atlantic, Inc.	849,416
P280	Assurant/Fortis Insurance Co.	10,367
P320	Golden Rule Insurance Co.	38,185
P325	Graphic Arts Benefit Corporation	29,466
P330	Great-West Life & Annuity Insurance Co.	130,393
P350	Guardian Life Insurance Co. of America	145,958
P471	Unicare Life & Health Insurance Co.	97,529
P480	Kaiser Foundation Health Plan of Mid-Atlantic	1,412,926
P500	MAMSI Life and Health Insurance Co.	646,735
P510	Maryland Fidelity Insurance Co.	73,078
P520	MD-Individual Practice Association, Inc.	991,357
P530	MEGA Life & Health Insurance Co.	53,520
P620	Optimum Choice, Inc.	1,900,229
P680	Coventry Healthcare of Delaware, Inc.	188,839
P760	State Farm Mutual Automobile Insurance Co.	23,419
P820	United Healthcare Insurance Co.	596,622

P830	Trustmark Insurance Co.	550
P850	Union Labor Life Insurance Co.	28,066
P870	United Healthcare of the Mid-Atlantic, Inc.	68,135

Notes: This variable represents the payer's unique identifier. This identifier is assigned by MHCC.

R_NAGE1205

Patient Age as of 12/31/2005 (Not Rounded)

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	1,389,922
18 - 64	18 - 64	12,741,221
65 - 110	65 - 110	264,073
Missing	Missing	38

Notes: This variable represents the non-rounded age of a patient as of December 31, 2005. Ages calculated to be less than 0 or greater than 110 have been set to missing. For rounded age, see RAGE1205.

RAGE

Patient Age at Service

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	1,512,275
18 - 64	18 - 64	12,852,220
65 - 110	65 - 110	30,711
Missing	Missing	48

Notes: This variable represents the rounded age of a patient at the time of prescription fill-up. Ages calculated to be less than 0 or greater than 110 have been set to missing.

RAGE1205

Patient Age as of 12/31/2005

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	1,450,192
18 - 64	18 - 64	12,819,045
65 - 110	65 - 110	125,979
Missing	Missing	38

Notes: This variable represents the rounded age of a patient as of December 31, 2005. Ages calculated to be less than 0 or greater than 110 have been set to missing. For the non-rounded age, see R_NAGE1205.

RBILL

Billed Charge-BC (\$)

Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	1
> 500	> 500	210,194
0	0	114
101 - 500	101 - 500	3,376,065
26 - 50	26 - 50	2,445,850
39457	39457	2,800,260
39777	39777	2,095,232
51 - 100	51 - 100	3,467,538

Notes: Billed charge is the drug retail amount (including dispensing fees and administrative costs).

RBIRTHMO Patient Birth Month		
Type: Character	Length: 2	Variable Source: Payer-Submitted
Value	Description	Frequency
01 thru 12	Month = 01-12	14,395,254
Notes: This variable contains the patient's birth month.		

RBIRTHYR Patient Birth Year		
Type: Character	Length: 4	Variable Source: Payer-Submitted
Value	Description	Frequency
1888	Year = 1888	1
1890-1942	Year = 1890-1942	578,925
1943-1989	Year = 1943-1989	12,539,313
1990-2006	Year = 1990-2006	1,276,978
9999	Year = 9999	37
Notes: This variable contains the patient's birth year.		

RCOVTYPE Coverage Type		
Type: Character	Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency
1	Medicare Supplemental(Indvl,Grp,WRAP)	207,277
2	Individual Plan	398,079
3	Priv Employr Sponsord Fully Self-Insured	3,436,932
4	Private Employer Sponsored Insured	3,073,133
5	Public Employee	2,939,866
6	Comprehensive Std Health Benefit Plan	3,509,661
7	Mcare srv provided by a Mcare HMO/HCFA	2,898
9	Payer Code=9 (Unknown)	802
Missing	Unknown	826,606
Notes: This variable contains the patient's type of insurance coverage. This variable is copied from the encounter data after linking the two files by PIDBDG.		

RDELIVTYP Delivery System Type		
Type: Character	Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency
1	HMO (Non-Medicaid,Includes Medicare)	7,584,867
2	PPO-POS	2,158,182
3	PPO or Other Managed Care	2,950,757
4	Indemnity Care	154,743
5	HMO-POS Rider	693,513
9	Payer Code=9 (Not Coded)	26,586
Missing	Unknown	826,606
Notes: This variable contains the type of delivery system for rendering service. This variable is copied from the Encounter data after linking the two files by PIDBDG.		

RDENRDATE Disenrollment Date		
Type: Character	Length: 8	Variable Source:
Value	Description	Frequency

Missing	Date Components Incomplete	8,272,936
Reported	Date Components Complete	6,122,318

Notes: This variable contains the patient's disenrollment date. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RENDATE Enrollment Date

Type: Character		Length: 8	Variable Source: Payer-Submitted
Value	Description	Frequency	
Missing	Date Components Incomplete	826,726	
Reported	Date Components Complete	13,568,528	

Notes: This variable contains the patient's enrollment date. This variable is copied from the Encounter data after linking the two files by PIDBDG.

RF_10K Flag for Payment > 10K

Type: Character		Length: 1	Variable Source: Flag
Value	Description	Frequency	
0	Payment <= 10K	14,395,254	

Notes: This flag identifies payments over \$10,000.00 as outliers.

RF_ANAL Analysis Flag(1-Analysis, 0-Exclude)

Type: Character		Length: 1	Variable Source: Flag
Value	Description	Frequency	
1	Kept for Analysis	14,395,254	

Notes: This flag identifies records kept for the prescription drug report. The flag was created to match the analysis flag used for the 2003 and 2005 prescription drug use and expenditure report. The following 11 criteria were used to exclude records from the analysis file (excluded records are identified by RF_ANAL= 0).

- 1) Exclude records not filled in current year (2005). These records are identified by RF_YR06=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2,3,4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.
- 10) Exclude records for patients that are 65 years old and older. These records are identified by RF_YR65=1.
- 11) Exclude records of patients covered by Medicare plans (Medicare Supplemental and Medicare+Choice). These records are identified by RF_COV17=1.

RF_COV17 Medicare Coverage Flag

Type: Character		Length: 1	Variable Source: Flag
Value	Description	Frequency	
0	Other Coverage Type	14,395,254	

Notes: This flag identifies records with Medicare coverage type (type = 1 or 7).

RF_DBC Debit/Credit Flag		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No D/C pairs	14,305,181
2	Complete Duplicate Set	44,219
3	Partial Duplicate Set	32,895
4	Not D/C after Adj.	12,959
Notes: This flag identifies debit/credit, and duplicate records. Below is a brief explanation of how the flag is assigned. The flag RF_DBC for all records without duplicate fill (no similar prescription is filled the same day for the same patient) is set to 0. Over 99 percent of all the records have no debit/credit problems. The remaining records go through three passes. In the first pass, if two bills for the same patient, the same NDC, and the same fill date have positive and negative payments canceling each other, the flag RF_DBC is set to 1. Using the remaining non-flagged records in the first pass, if two records are complete duplicates, RF_DBC is set to 2 and if the records are partial duplicates, RF_DBC is set 3. In the last pass, all records without a flag in the second pass have their flag RF_DBC set to 4.		

RF_DEA Deanum(1=Valid, 0=Other, 2=Blank)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Other	1,852,825
1	Valid	8,775,163
9	Missing	3,767,266
Notes: This flag identifies valid DEA Numbers. The validation matches payer's submitted DEA numbers with a look-up list of DEA numbers from the US Drug Enforcement Agency (DEA).		

RF_ELINK Encounter Linkage Indicator		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No Link	813,895
1	Link By PATID-DOB-SEX	13,581,359
Notes: This flag identifies pharmacy records that link with encounter records by PIDBDG.		

RF_FINMS All 3 Financial Vars=0/Missing (1/0)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No-All Financial Variables <> 0 or Missing	14,395,254
Notes: This flag identifies records with all financial variables equal 0 or missing.		

RF_MD Maryland Residency Indicator (1-MD, 0-non MD)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
1	MD	14,395,254
Notes: This flag identifies MD residents using the patient's ZIP Code. Any patient with at least one prescription service while residing in Maryland is regarded as a Maryland resident. Non-MD residents are excluded from the analysis file.		

RF_MEDSUP		
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Medical Supply Indicator(0=No, 1=Yes)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Not a Medical Supply	14,144,748
1	Medical Supply	178,444
9	Unknown	72,062
Notes: This flag identifies medical supply NDCs. Medical supplies products include medical supplies, diagnostic supplies, and nutritional supplements.		

RF_MOANAL Mail Order Analysis Flag(1-Analysis, 0-Exclude)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
1	Used In Mailorder Analysis	14,395,254
Notes: This variables was created to identify records to be used in the 2004 Maintenance Drug Prescriptions Mail Order Purchase Study as mandated by Senate Bill 885. The mail-order analysis file is different from the regular analysis file because the latter includes the population over 64 years old as well as patients covered by Medicare plan. The following nine criteria were used to exclude records from the mail-order analysis file (excluded records are identified by RF_MOANAL= 0).		
1) Exclude records not filled in current year (2005). These records are identified by RF_YR06=1.		
2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.		
3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.		
4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.		
5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.		
6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.		
7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.		
8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2, 3, 4.		
9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.		

RF_MORDER Mail Order Flag(0=No, 1=Yes)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Not Mail Order	13,761,246
1	Mail Order	634,008
Notes: This flag identifies prescription drugs filled through mail order. Payers were requested to provide a list of mail-order pharmacies (NCPDP number). All the numbers provided were compiled into a master list. The master list was used for all payers regardless of whether or not a payer included an NCPDP in the submitted list.		

RF_NDC NDC Flag		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Matches NDC	14,329,055
1	Not Match NDC	66,199
Notes: The flag identifies NDC codes that do not match with NDC's in the Multum lexicon database.		

RF_NDRUG New Drug Flag		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Branded, new	1,311,320
2	Branded, not new	5,747,550
3	Generic	7,078,084
4	Unknown	258,300
Notes: This flag identifies branded and generic drugs. Drugs are branded new if they were approved in last 4 years. Branded drug without known approval date are classified as branded, not new. The New Drug Flag is 4 either because it is unknown or the product is a medical supply.		

RF_NDUP Duplicate Set W/ at least One Neg. Bill		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Other	14,395,254
Notes: This flag identifies duplicate sets with at least one member with negative bill charge.		

RF_PATID Patient ID Flag		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Patid=OK	14,395,254
Notes: This flag identifies invalid patient ID.		

RF_PAYMD Payment Category (1=<0,2=0,3=>0,4=.)		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
2	Zero Payment	432
3	Positive Payment	14,394,822
Notes: This flag categorizes payment as negative, zero, positive or missing.		

RF_PLINK Pharmacy/Provider Link Flag		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No Link	4,742,264
1	Link By DEANUM	8,245,145
2	Link By PROVID	1,407,845
Notes: This flag identifies pharmacy records that link with provider file. The pharmacy file is linked to the provider file to extract practitioner's specialty information.		

RF_SELF Self Insurance Coverage Indicator		
Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Fully Insured Coverage Type	10,174,296
1	Self Insured Coverage Type	3,406,248
2	Other	814,710

Notes: This flag categorizes medical coverage into self insured and fully insured.

RF_YR06

Prescription Filled in 2006(1:>=06 0:<06)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	No - Service Provided in 2006	14,395,254

Notes: This flag identifies prescription services filled in 2006.

RF_YR65

Age 65+ Flag(0:<65, 1:>=65, 2:Missing)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Age <65	14,395,216
2	Age Missing	38

Notes: This flag identifies patients 65 years old and over. The flag is assigned based on the non rounded patient age as of 12/31/2005 (R_NAGE1205). Using rounded age puts 64.51-64.99 year-old patients into the 65+ age category.

RMSCAT

Medical Supply Category

Type: Character Length: 5 Variable Source: Assigned		
Value	Description	Frequency
10011	Wound Care Supplies	2
10012	Needles Syringes And Injection Supplies	39,448
10013	Blood Glucose Monitoring Supplies	132,235
10014	Urine Tests	496
10016	Nutritional Supplements	1
10017	Diaphragms	778
10020	Respiratory Therapy Supplies	6,042
10025	Bulk Compounding Chemicals	208
10026	Diagnostic Tests	150
10027	Ostomy Supplies	10
10028	Natural Supplements	1
10029	Administration Devices	87
17-Jun	Medical Supplies	616
19-Jun	Homeopathic Medication	2
Missing	Unknown	14,215,178

Notes: This variable contains the medical supply categories. The medical supply category is missing either because it is unknown or the product is a prescription drug.

RN_ZIP_S

Adjusted Pharmacy Zip Code (Using NACDS data)

Type: Character Length: 5 Variable Source: NACDS+Payer-Sub		
Value	Description	Frequency
Missing	Value Missing	4,152
Reported	Value Not Missing	14,391,102

Notes: This variable represents Adjusted Pharmacy Zip Code. NACDS data were used to fill in the pharmacy ZIP Codes where the payer did not provide the field value. About 2 percent of all records with missing pharmacy ZIP Codes were filled using NACDS data. For the payer submitted pharmacy zip code, see RZIP_S.

RPATLIAB

Patient Liability-PL (\$)

Type: Numeric		Length: 8	Variable Source: Payer-Submitted
Value	Description	Frequency	
> 500	> 500	1,839	
0	0	178,933	
101 - 500	101 - 500	93,149	
26 - 50	26 - 50	2,540,298	
39457	39457	6,427,913	
39777	39777	4,631,503	
51 - 100	51 - 100	521,619	

Notes: This variable contains the amount that the patient is required to pay for a prescription service (i.e. coinsurance, co-payments, and deductibles).

RPATZIP Patient Residence ZIP Code		
Type: Character		Length: 5
		Variable Source: Payer-Submitted
Value	Description	Frequency
Reported	Value Not Missing	14,395,254

Notes: This variable contains the ZIP Code of patient's residence.

RPAYMENT Payment = Sum(RA,PL)		
Type: Numeric		Length: 8
		Variable Source: Calculated
Value	Description	Frequency
> 500	> 500	182,690
0	0	432
101 - 500	101 - 500	2,999,863
26 - 50	26 - 50	2,397,123
39457	39457	3,330,449
39777	39777	2,134,074
51 - 100	51 - 100	3,350,623

Notes: This variable contains the total amount paid for a prescription. Payment is the sum of patient liability and reimbursement amount.

RPHARMCTY Pharmacy County		
Type: Character		Length: 3
		Variable Source: Assigned
Value	Description	Frequency
1	Allegany	123,132
11	Caroline	68,712
13	Carroll	427,364
15	Cecil	156,346
17	Charles	371,358
19	Dorchester	79,423
21	Frederick	753,521
23	Garrett	51,313
25	Harford	614,326
27	Howard	714,290
29	Kent	69,346
3	Anne Arundel	1,231,515
31	Montgomery	2,470,343
33	Prince George	1,996,831
35	Queen Annes	123,042
37	Saint Marys	243,583

39	Somerset	22,410
41	Talbot	131,485
43	Washington	316,363
45	Wicomico	203,408
47	Worcester	129,801
5	Baltimore	1,834,093
510	Baltimore City	717,831
9	Calvert	269,574
999	Missing/Unknown	1,275,844

Notes: This variable represents the Maryland county in which a pharmacy is located. The Missing/Unknown category includes non-MD pharmacies.

RPHARMGRP Pharmacy Group		
Type: Character	Length: 1	Variable Source: Assigned
Value	Description	Frequency
1	Chain	5,610,827
2	Independent	2,910,788
3	Super Market/Mass Market	4,603,726
4-Jan	Mail Order	634,008
9-Jan	Other-Non MD	635,905

Notes: This variable represents the pharmacy group category. The categorization is done by grouping one or more chain indicators based on MHCC specifications.

RREIMB Reimbursement Amount-RA (\$)		
Type: Numeric	Length: 8	Variable Source: Payer-Submitted
Value	Description	Frequency
< 0	< 0	225
> 500	> 500	163,458
0	0	4,046,494
101 - 500	101 - 500	2,160,089
26 - 50	26 - 50	2,080,119
39457	39457	1,820,775
39777	39777	1,672,517
51 - 100	51 - 100	2,451,577

Notes: This variable contains the amount paid to the pharmacy by a payer.

RSCRIPT Number of Adjusted or 30-day Script		
Type: Character	Length: 3	Variable Source: Calculated
Value	Description	Frequency
1	Drugspl <= 30	11,568,207
2	30 < Drugspl <= 60	729,108
3	Drugspl > 60	2,097,939

Notes: This variable represents the number of adjusted 30-day scripts or normalized scripts. Any drug supply of less or equal to 30 counts as one 1 script. Any drug supply between 31 and 60 days counts as two scripts and any supply over 60 days counts as 3 scripts.

RSEX Patient Sex		
Type: Character	Length: 1	Variable Source: Payer-Submitted

Value	Description	Frequency
1	Male	5,646,021
2	Female	8,747,247
3	Payer Code=3 (Not Coded)	1,986

Notes: This variable contains the sex of patient.

RSPECL1 Practitioner/Supplier Specialty-1		
Type: Character	Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency
1	General Practice	45,361
10	Gastroenterology	123,909
100	Neonatology	285
101	Multi-Specialty Medical Practice	1,130,691
11	Geriatrics	464
12	Hand Surgery	1,222
13	Hematology	14,631
14	Internal Medicine	3,055,932
15	Infectious Disease	24,201
16	Nephrology	41,201
17	Neurology	118,642
18	Nuclear Medicine	198
19	Oncology	26,559
2	General Surgery	70,568
20	Ophthalmology	65,498
21	Orthopedic Surgery	127,719
22	Osteopathy (include manipulations)	219
23	Otology/Laryngo/Rhino/Otolaryngo	77,446
24	Pathology	19,635
25	Pediatrics	594,124
26	Peripheral Vascular Disease/Surgery	299
27	Plastic Surgery	18,814
28	Physical Medicine & Rehabilitation	34,807
3	Allergy & Immunology	73,024
30	Psychiatry	346,060
31	Pulmonary Disease	45,747
32	Radiology	8,017
33	Rheumatology	77,959
34	Surgical Specialty Not Listed Here	33,619
35	Thoracic Surgery	1,580
36	Urology	59,478
37	Misc Special (pub health/indusl med)	2,224
38	Physician w/o Identfd Spec/Not Listd	15,627
39	Obstetrics/Gynecology	544,670
4	Anesthesiology	20,698
40	Acupuncturist	223
41	Alcohol/Drug Detox Services	9,463
42	Ambulance Services	149
44	Chiropractor	275
48	Home Health Provider	31,548
5	Cardiology	145,730
50	Advanced Practice Nurse: Midwife	6,488
51	Advancd Practice Nurse: Nurse Practitioner	72,256
52	Advd Practice Nurse: Psychotherapist	29
53	Nurse Other than Advanced Practice	249

54	Occupational Therapist	3
55	Optometrist	14,000
56	Podiatrist	35,512
57	Physical Therapist	1,726
58	Psychologist	5,309
59	Clinical Social Worker	1,757
6	Dermatology	171,711
60	Pub Health/Welf Agy-fed & local govt	15
62	Other Specialty Not Listed Above	749
7	Emergency Medicine	91,952
70	General Dentist	90,352
71	Endodontist	9,400
72	Orthodontist	596
73	Oral Surgeon	33,088
74	Pedodontist	2,424
75	Periodontist	10,988
76	Prosthodontist	222
8	Endocrinology Medicine	92,879
80	Freestanding Pharmacy incl grocery	260,241
82	Independent Laboratory	2
83	Independent Medical Supply Company	475
84	Optician/Optometrist	8
85	All Other Supplies	3,972
9	Family Practice	1,690,149
90	Freestanding Medical Facility	14,009
93	Other Facility	33,913
Missing	Value Missing	4,742,264

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RSPECL2

Practitioner/Supplier Specialty-2

Type: Character		Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	General Practice	164,040	
10	Gastroenterology	24,370	
100	Neonatology	7,756	
102	Mental Health Clinic	86	
11	Geriatrics	99,993	
12	Hand Surgery	8,257	
13	Hematology	27,666	
14	Internal Medicine	567,206	
15	Infectious Disease	38,258	
16	Nephrology	36,027	
17	Neurology	18,912	
18	Nuclear Medicine	1,674	
19	Oncology	18,678	
2	General Surgery	22,873	
20	Ophthalmology	6,469	
21	Orthopedic Surgery	8,183	
22	Osteopathy (include manipulations)	5,303	
23	Otology/Laryngo/Rhino/Otolaryngo	5,453	
24	Pathology	21,279	
25	Pediatrics	170,994	

26	Peripheral Vascular Disease/Surgery	7,952
27	Plastic Surgery	5,475
28	Physical Medicine & Rehabilitation	7,480
29	Proctology	2,659
3	Allergy & Immunology	26,602
30	Psychiatry	19,729
31	Pulmonary Disease	37,352
32	Radiology	6,352
33	Rheumatology	14,971
34	Surgical Specialty Not Listed Here	32,746
35	Thoracic Surgery	1,966
36	Urology	4,835
37	Misc Special (pub health/indusl med)	10,938
38	Physician w/o Identfd Spec/Not Listd	158,044
39	Obstetrics/Gynecology	31,918
4	Anesthesiology	26,006
40	Acupuncturist	13,201
41	Alcohol/Drug Detox Services	6,872
44	Chiropractor	8,840
49	Advanced Practice Nurse: Anesthetist	14
5	Cardiology	31,676
50	Advanced Practice Nurse: Midwife	2,348
51	Advancd Practice Nurse: Nurse Practitioner	29,469
52	Advd Practice Nurse: Psychotherapist	2,993
53	Nurse Other than Advanced Practice	3,978
54	Occupational Therapist	128
55	Optometrist	1,368
56	Podiatrist	4,162
57	Physical Therapist	12,398
58	Psychologist	92,738
59	Clinical Social Worker	5,506
6	Dermatology	3,133
60	Pub Health/Welf Agy-fed & local govt	8
62	Other Specialty Not Listed Above	23,119
7	Emergency Medicine	692,621
70	General Dentist	25,180
71	Endodontist	655
72	Orthodontist	11
73	Oral Surgeon	10,598
74	Pedodontist	191
75	Periodontist	527
76	Prosthodontist	31
8	Endocrinology Medicine	34,147
80	Freestanding Pharmacy incl grocery	1,277,057
82	Independent Laboratory	270
83	Independent Medical Supply Company	106
84	Optician/Optometrist	741
9	Family Practice	178,636
90	Freestanding Medical Facility	1,258
91	Freestanding Surgical Facility	135
92	Freestanding Imaging Center	1
93	Other Facility	892
Missing	Value Missing	10,281,744

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file

to the Encounter file.

RSPECL3

Practitioner/Supplier Specialty-3

Type: Character

Length: 3

Variable Source: Payer-Submitted

Value	Description	Frequency
1	General Practice	23,250
10	Gastroenterology	128
100	Neonatology	7,979
11	Geriatrics	27,319
12	Hand Surgery	1,304
13	Hematology	4,760
14	Internal Medicine	83,737
15	Infectious Disease	2,116
16	Nephrology	434
17	Neurology	4,065
18	Nuclear Medicine	648
19	Oncology	6,626
2	General Surgery	7,233
20	Ophthalmology	2,002
21	Orthopedic Surgery	158
22	Osteopathy (include manipulations)	1,830
23	Otology/Laryngo/Rhino/Otolaryngo	2,534
24	Pathology	6,991
25	Pediatrics	25,439
26	Peripheral Vascular Disease/Surgery	1,468
27	Plastic Surgery	1,011
28	Physical Medicine & Rehabilitation	7,541
29	Proctology	798
3	Allergy & Immunology	880
30	Psychiatry	9,564
31	Pulmonary Disease	2,988
32	Radiology	2,423
33	Rheumatology	251
34	Surgical Specialty Not Listed Here	5,040
35	Thoracic Surgery	2,477
36	Urology	37
37	Misc Special (pub health/indusl med)	512
38	Physician w/o Identfd Spec/Not Listd	173,916
39	Obstetrics/Gynecology	5,559
4	Anesthesiology	1,780
40	Acupuncturist	438
41	Alcohol/Drug Detox Services	57
44	Chiropractor	4,671
47	Dietitian/Licensed Nutritionist	108
49	Advanced Practice Nurse: Anesthetist	1
5	Cardiology	2,458
50	Advanced Practice Nurse: Midwife	54
51	Advancd Practice Nurse: Nurse Practitioner	6,427
52	Advd Practice Nurse: Psychotherapist	198
53	Nurse Other than Advanced Practice	259
54	Occupational Therapist	638
55	Optometrist	2,182
56	Podiatrist	889
57	Physical Therapist	5,184

58	Psychologist	19,790
59	Clinical Social Worker	8,322
6	Dermatology	901
60	Pub Health/Welf Agy-fed & local govt	1,625
62	Other Specialty Not Listed Above	13,486
7	Emergency Medicine	174,530
70	General Dentist	21,281
71	Endodontist	3,283
72	Orthodontist	437
73	Oral Surgeon	616
74	Pedodontist	132
75	Periodontist	396
8	Endocrinology Medicine	216
80	Freestanding Pharmacy incl grocery	588,011
82	Independent Laboratory	1,253
83	Independent Medical Supply Company	6,198
84	Optician/Optomtrist	92
9	Family Practice	30,397
90	Freestanding Medical Facility	4,207
Missing	Value Missing	13,071,719

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RZIP_S		
Pharmacy ZIP Code		
Type: Character		Length: 5
		Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	31,076
Reported	Value Not Missing	14,364,178

Notes: This variable contains the ZIP Code of pharmacy where prescription was dispensed.

**2004 Maryland Medical Care Database
Pharmacy Analysis file
ANALRX04_V3.SAS7BDAT**

Contents Output

Data Set Name	IN3.ANALRX04_V3	Observations	14066510			
Member Type	DATA	Variables	65			
Engine	V9	Indexes	0			
Created	Thu, Dec 06, 2007 10:36:37 AM	Observation Length	246			
Last Modified	Thu, Dec 06, 2007 10:36:37 AM	Deleted Observations	0			
Protection		Compressed	BINARY			
Data Set Type		Reuse Space	NO			
Label		Point to Observations	YES			
Data Representation	WINDOWS_32	Sorted	NO			
Encoding	wlatin1 Western (Windows)					
Engine/Host Dependent Information						
Data Set Page Size		12288				
Number of Data Set Pages		231896				
Number of Data Set Repairs		0				
File Name		D:\MCDB\Analysis\data\analrx04_v3.sas7bdatt				
Release Created		9.0101M3				
Host Created		XP_PRO				
Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
53	APPRDATE	Num	8			FDA Approval Date
64	CHNIND	Char	1			Chain Indicator
31	DEANUM	Char	11			Practitioner DEA#
35	DRUGQTY	Num	4			Drug Quantity (No. of Units Dispensed)
36	DRUGSPL	Num	3			Drug Supply (Est. # of Supply Days)

51	DRUG_ID	Char	6	\$6.	\$6.	Multum Drug ID
41	FILLDATE	Num	8			Date Prescription Filled
16	FILLDD	Char	2			Day Prescription Filled
17	FILLMO	Char	2			Month Prescription Filled
18	FILLYR	Char	4			Year Prescription Filled
52	GB0	Char	1	\$1.	\$1.	Generic/Brand Indicator
50	MMDC	Char	5			Main Multum Drug Code
55	MULTDC1	Char	3			Multum Drug Category 1
56	MULTDC2	Char	3			Multum Drug Category 2
57	MULTDC3	Char	3			Multum Drug Category 3
58	MULTDC4	Char	3			Multum Drug Category 4
19	NCPDP	Char	7			Pharmacy Number (NCPDP)
20	NDC	Char	12			National Drug Code (NDC-11 Chars)
48	NDCLABL	Char	9			Labeler-Product Code(Chars 1-9 of NDC)
49	NDCPACK	Char	2			Package Code(Chars 10-11 of NDC)
21	PATID	Char	14			Patient ID, Encrypted
13	PIDBDG	Char	25			Unique Patient ID
12	PNUM	Char	4			Payer Unique ID
5	RAGE	Num	3			Patient Age at Service
6	RAGE1204	Num	3			Patient Age as of 12/31/2004
32	RBILL	Num	8			Billed Charge-BC (\$)
23	RBIRTHMO	Char	2			Patient Birth Month
24	RBIRTHYR	Char	4			Patient Birth Year
15	RCOVTYPE	Char	1			Coverage Type (From Encounter File)
14	RDELIVTYP	Char	1			Delivery System(From Encounter File)
38	RF_10K	Char	1			Flag for Payment > 10K
3	RF_ANAL	Char	1			Analysis Flag(1-Analysis, 0-Exclude)
47	RF_COV17	Char	1			Medicare Coverage Flag

1	RF_DBC	Char	1			Debit/Credit Flag
63	RF_DEA	Char	1			Deanum(1=Valid, 0=Other, 2=Blank)
7	RF_ELINK	Char	1			Pharmacy/Encounter Link Flag(1/0)
28	RF_FINMS	Char	1			All 3 Financial Vars=0/Missing (1/0)
40	RF_MD	Char	1			Maryland Residency Indicator (1-MD, 0-non MD)
54	RF_MEDSUP	Char	1			Medical Supply Indicator(0=No, 1=Yes)
46	RF_MOANAL	Char	1			Mail Order Analysis Flag(1-Analysis, 0-Exclude)
59	RF_MORDER	Char	1			Mail Order Flag(0=No, 1=Yes)
4	RF_NDC	Char	1			NDC Flag
61	RF_NDRUG	Char	1			New Drug Flag
2	RF_NDUP	Char	1			Duplicate Set W/ at least One Neg. Bill
39	RF_PATID	Char	1			Patient ID Flag
29	RF_PAYMD	Char	1			Payment Category (1=<0,2=0,3=>0,4=.)
8	RF_PLINK	Char	1			Pharmacy/Provider Link Flag
43	RF_SELF	Char	1			Self Insurance Coverage Indicator
27	RF_YR05	Char	1			Prescription Filled in 2004(1:>=05 0:<05)
62	RF_YR65	Char	1			Age 65+ Flag(0:<65, 1:>=65, 2:Missing)
60	RMSCAT	Char	5			Medical Supply Category
44	RN_ZIP_S	Char	5			Adjusted Pharmacy Zip Code (Using NACDS data)
34	RPATLIAB	Num	8			Patient Liability-PL (\$)
25	RPATZIP	Char	5			Patient Residence ZIP Code
37	RPAYMENT	Num	8			Payment = Sum(RA,PL)
42	RPHARMCTY	Char	3			Pharmacy County
65	RPHARMGRP	Char	1			Pharmacy Group
33	RREIMB	Num	8			Reimbursement Amount-RA (\$)
45	RSCRIPT	Num	3			Number of Adjusted or 30-day Script
26	RSEX	Char	1			Patient Sex
9	RSPECL1	Char	3			Practitioner/Supplier Specialty-1

10	RSPECL2	Char	3			Practitioner/Supplier Specialty-2
11	RSPECL3	Char	3			Practitioner/Supplier Specialty-3
22	RZIP_S	Char	5			Pharmacy ZIP Code
30	R_NAGE1204	Num	3			Patient Age as of 12/31/2004 (Not Rounded)

**2004 Maryland Medical Care Database
Pharmacy Analysis File
ANALRX04_V3.SAS7BDAT**

Codebook

APPRDATE FDA Approval Date		
Type: Date	Length: 8	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Date Components Incomplete	901,783
Reported	Date Components Complete	13,164,727
Notes: This variable represents the drug approval date by FDA.		

CHNIND Chain Indicator		
Type: Character	Length: 1	Variable Source: Assigned
Value	Description	Frequency
A	In Associations, Like Epic	259,583
C	Chain Drug Stores	5,289,587
D	Mass Merchants	982,530
G	Super Markets	3,669,717
I	Independent Drug Stores	1,555,919
M	Mail Order	557,007
O	Other Non MD Pharmacies	551,103
U	Institution/Practice Based Pharmacies	1,127,162
X	Other MD Pharmacy	73,902
Notes: This variable represents a chain indicator. Non-Maryland pharmacies category does not include mail-order pharmacies. Other Maryland pharmacies are pharmacies located in Maryland for which there is no known category		

DEANUM Practitioner DEA#		
Type: Character	Length: 11	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	3,177,819
Reported	Value Not Missing	10,888,691
Notes: This variable represents Drug Enforcement Agency number (DEA #). The DEA # is assigned to providers registered under the Controlled Substance Act by the Drug Enforcement Administration of the U.S. Department of Justice. DEA number is used as a unique practitioner identifier in the Pharmacy Database.		

DRUG_ID Multum Drug ID		
Type: Character	Length: 6	Variable Source: Multum Lexicon
Value	Description	Frequency
Missing	Value Missing	258,699
Reported	Value Not Missing	13,807,811
Notes: This variable represents the Drug Identification Number. Each code is written in the form "d#####" and identifies a unique generic drug. The Drug Identification Number is missing either because it is unknown or the product is a medical supply.		

DRUGQTY

Drug Quantity (No. of Units Dispensed)		
Type: Numeric	Length: 4	Variable Source: Payer-Submitted
Value	Description	Frequency
0	0	278
31 - 60	31 - 60	2,629,487
39477	39477	7,875,204
61 - 90	61 - 90	1,913,308
90+	> 90	1,648,233
Notes: This variable represents the number of units of drug dispensed.		

DRUGSPL Drug Supply (Est. # of Supply Days)		
Type: Numeric	Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency
0	0	14,047
31 - 60	31 - 60	825,508
39477	39477	11,285,030
61 - 90	61 - 90	1,908,525
90+	> 90	33,400
Notes: This variable represents the estimated number of days of dispensed supply.		

FILLDATE Date Prescription Filled		
Type: Date	Length: 8	Variable Source: Calculated
Value	Description	Frequency
Reported	Date Components Complete	14,066,510
Notes: This variable represents the date a prescription was filled.		

FILLDD Day Prescription Filled		
Type: Character	Length: 2	Variable Source: Payer-Submitted
Value	Description	Frequency
01 thru 31	Day = 01-31	14,066,510
Notes: This variable represents the date a prescription was filled.		

FILLMO Month Prescription Filled		
Type: Character	Length: 2	Variable Source: Payer-Submitted
Value	Description	Frequency
01 thru 12	Month = 01-12	14,066,510
Notes: This variable represents the month a prescription was filled.		

FILLYR Year Prescription Filled		
Type: Character	Length: 4	Variable Source: Payer-Submitted
Value	Description	Frequency
2004	Year = 2004	14,066,510
Notes: This variable represents the year a prescription was filled. Year 2004 includes prescription drugs filled for the whole year but Year 2005 includes only prescription drugs filled from January 1, 2005 through April 30, 2005		

GBO		
Generic/Brand Indicator		
Type: Character Length: 1 Variable Source: Multum Lexicon		
Value	Description	Frequency
G	Generic	6,396,244
Missing	Unknown	258,699
N	Brand	7,411,567
Notes: This variable designates the drug status as brand or generic. The generic/brand indicator is missing either because it is unknown or the product is a medical supply.		

MMDC		
Main Multum Drug Code		
Type: Character Length: 5 Variable Source: Multum Lexicon		
Value	Description	Frequency
Missing	Unknown	258,699
Reported	Value Not Missing	13,807,811
Notes: This variable represents the main Multum drug code (MMDC). Each code is a unique combination of active ingredient(s), strength, route of administration, and dosage form. This variable is used to identify drugs that share the above 4 characteristics across different manufacturers and labels. The main Multum drug code is missing either because it is unknown or the product is a medical supply.		

MULTDC1		
Multum Drug Category 1		
Type: Character Length: 3 Variable Source: Multum Lexicon		
Value	Description	Frequency
10	Leprostatics	1,993
100	Miscellaneous Hormones	31,342
102	Contraceptives	688,875
103	Thyroid Drugs	307,277
104	Immunosuppressive Agents	21,855
106	Antidotes	2,033
107	Chelating Agents	1,957
108	Cholinergic Muscle Stimulants	1,133
109	Local Injectable Anesthetics	4
110	Miscellaneous Uncategorized Agents	8,930
111	Psoralens	506
116	Iron Products	82,906
117	Minerals And Electrolytes	81,135
118	Oral Nutritional Supplements	177
119	Vitamins	48,497
12	Miscellaneous Antibiotics	55,399
120	Vitamin And Mineral Combinations	23,215
121	Intravenous Nutritional Products	25
123	Antihistamines	317,150
124	Antitussives	19,956
126	Methylxanthines	6,145
127	Decongestants	2
128	Expectorants	523
129	Miscellaneous Respiratory Agents	594
131	Antiasthmatic Combinations	5
132	Upper Respiratory Combinations	324,385
134	Anorectal Preparations	6,149
135	Antiseptic And Germicides	14,454

137	Topical Anti-Infectives	19,966
138	Topical Steroids	224,989
139	Topical Anesthetics	23,868
14	Quinolones	184,214
140	Miscellaneous Topical Agents	42,308
141	Topical Steroids With Anti-Infectives	34,707
143	Topical Acne Agents	160,032
144	Topical Antipsoriatics	12,937
146	Mouth And Throat Products	12,672
15	Sulfonamides	4,986
150	Sterile Irrigating Solutions	103
153	Plasma Expanders	1
154	Loop Diuretics	63,417
155	Potassium-Sparing Diuretics	17,571
156	Thiazide Diuretics	188,044
157	Carbonic Anhydrase Inhibitors	2,643
159	First Generation Cephalosporins	107,701
16	Tetracyclines	125,384
160	Second Generation Cephalosporins	45,531
161	Third Generation Cephalosporins	40,492
162	Fourth Generation Cephalosporins	2
163	Ophthalmic Anti-Infectives	77,173
164	Ophthalmic Glaucoma Agents	45,726
165	Ophthalmic Steroids	14,387
166	Ophthalmic Steroids With Anti-Infectives	16,143
167	Ophthalmic Anti-Inflammatory Agents	9,673
168	Ophthalmic Lubricants And Irrigations	72
169	Miscellaneous Ophthalmic Agents	2
17	Urinary Anti-Infectives	35,975
170	Otic Anti-Infectives	7,926
171	Otic Steroids With Anti-Infectives	30,702
172	Miscellaneous Otic Agents	6,533
173	HMG-CoA Reductase Inhibitors	533,521
175	Protease Inhibitors	9,906
176	NRTIs	16,949
177	Miscellaneous Antivirals	1,287
178	Skeletal Muscle Relaxants	176,690
179	Skeletal Muscle Relaxant Combinations	1,284
18	Aminoglycosides	1,589
180	Adrenergic Bronchodilators	233,867
181	Bronchodilator Combinations	110,959
182	Androgens And Anabolic Steroids	14,072
183	Estrogens	125,943
184	Gonadotropins	7,240
185	Progestins	42,372
186	Sex Hormone Combinations	39,284
187	Miscellaneous Sex Hormones	6,392
191	Narcotic Analgesic Combinations	601,173
192	Antirheumatics	25,127
193	Antimigraine Agents	90,150
194	Antigout Agents	38,306
195	5HT3 Receptor Antagonists	10,960
196	Phenothiazine Antiemetics	12,380
197	Anticholinergic Antiemetics	7,725
198	Miscellaneous Antiemetics	1,708
199	Hydantoin Anticonvulsants	16,716

2	Amebicides	44,973
200	Succinimide Anticonvulsants	546
204	Miscellaneous Anticonvulsants	169,803
205	Anticholinergic Antiparkinson Agents	4,583
208	SSRI Antidepressants	598,430
209	Tricyclic Antidepressants	76,814
21	Alkylating Agents	1,002
210	Phenothiazine Antipsychotics	1,913
211	Platelet Aggregation Inhibitors	42,567
213	Sulfonylureas	105,436
214	Non-Sulfonylureas	136,403
215	Insulin	104,016
216	Alpha-Glucosidase Inhibitors	1,319
217	Bisphosphonates	81,943
219	Nutraceutical Products	890
22	Antibiotics/Antineoplastics	8
220	Herbal Products	1
222	Penicillinase Resistant Penicillins	3,496
223	Antipseudomonal Penicillins	30
224	Aminopenicillins	316,527
225	Beta-Lactamase Inhibitors	156,413
226	Natural Penicillins	58,801
227	NNRTIs	6,845
228	Adamantane Antivirals	2,373
229	Purine Nucleosides	100,414
23	Antimetabolites	21,894
231	Nicotinic Acid Derivatives	2,431
232	Rifamycin Derivatives	1,021
233	Streptomyces Derivatives	2
234	Miscellaneous Antituberculosis Agents	208
235	Polyenes	44
236	Azole Antifungals	76,149
237	Miscellaneous Antifungals	26,658
238	Aminoquinolones	7,339
239	Miscellaneous Antimalarials	33
24	Hormones/Antineoplastics	70,640
240	Lincomycin Derivatives	30,860
241	Fibric Acid Derivatives	54,176
243	Leukotriene Modifiers	107,640
244	Nasal Lubricants And Irrigations	3
245	Nasal Steroids	243,130
246	Nasal Antihistamines And Decongestants	15,367
248	Topical Emollients	9,260
25	Miscellaneous Antineoplastics	12,010
250	Monoamine Oxidase Inhibitors	1,072
252	Bile Acid Sequestrants	8,633
253	Anorexiant	454
256	Interferons	7,643
257	Monoclonal Antibodies	2,817
26	Mitotic Inhibitors	74
261	Heparins	5,732
262	Coumarins And Indandiones	42,153
263	Impotence Agents	97,660
264	Urinary Antispasmodics	31,640
265	Urinary Ph Modifiers	2,525
266	Miscellaneous Genitourinary Tract Agents	18,321

267	Ophthalmic Antihistamines And Decongestants	38,094
268	Vaginal Anti-Infectives	25,232
269	Miscellaneous Vaginal Agents	179
270	Antipsoriatics	742
271	Thiazolidinediones	76,584
272	Proton Pump Inhibitors	365,769
274	Cardioselective Beta Blockers	303,048
275	Non-Cardioselective Beta Blockers	62,776
276	Dopaminergic Antiparkinsonism Agents	11,050
277	5-Aminosalicylates	22,786
278	Cox-2 Inhibitors	125,175
279	Gonadotropin Releasing Hormones	66
280	Thioxanthenes	529
281	Neuraminidase Inhibitors	2,106
282	Meglitinides	6,477
284	Viscosupplementation Agents	178
286	Mydriatics	2,021
287	Ophthalmic Anesthetics	15
288	5-Alpha-Reductase Inhibitors	6,341
290	Topical Antibiotics	36,576
291	Topical Antivirals	12,210
292	Topical Antifungals	66,056
293	Glucose Elevating Agents	1
295	Growth Hormones	3,036
296	Inhaled Corticosteroids	64,556
298	Mast Cell Stabilizers	1,856
299	Anticholinergic Bronchodilators	7,596
3	Anthelmintics	2,790
300	Corticotropin	30
301	Glucocorticoids	187,960
302	Mineralocorticoids	2,073
303	Agents For Pulmonary Hypertension	142
304	Macrolides	301,158
305	Ketolides	6,548
306	Phenylpiperazine Antidepressants	57,063
307	Tetracyclic Antidepressants	13,914
308	Ssri Antidepressants	108,130
31	Bacterial Vaccines	130
311	Dibenzazepine Anticonvulsants	33,331
312	Cholinergic Agonists	1,343
313	Cholinesterase Inhibitors	1,699
314	Antidiabetic Combinations	45,339
316	Cholesterol Absorption Inhibitors	40,936
317	Antihyperlipidemic Combinations	7,104
32	Colony Stimulating Factors	1,582
320	smoking cessation agents	1,500
323	antineoplastic monoclonal antibodies	16
324	antineoplastic interferons	316
325	sclerosing agents	1
327	antiviral combinations	7,354
328	antimalarial combinations	2,388
33	Immune Globulins	72
330	antiviral interferons	3,568
336	non-iodinated contrast media	124
34	In Vivo Diagnostic Biologicals	3
340	aldosterone receptor antagonists	306

341	atypical antipsychotics	72,561
343	tyrosine kinase inhibitors	1,063
36	Recombinant Human Erythropoietins	3,749
37	Toxoids	2
38	Viral Vaccines	103
39	Miscellaneous Biologicals	9
41	Agents For Hypertensive Emergencies	18
42	Angiotensin Converting Enzyme Inhibitors	337,682
43	Antiadrenergic Agents, Peripherally Acting	46,688
44	Antiadrenergic Agents, Centrally Acting	38,870
45	Antianginal Agents	22,501
46	Antiarrhythmic Agents	8,124
48	Calcium Channel Blocking Agents	263,265
50	Inotropic Agents	14,339
51	Miscellaneous Cardiovascular Agents	3,096
52	Peripheral Vasodilators	136
53	Vasodilators	5,468
54	Vasopressors	13,876
55	Antihypertensive Combinations	391,456
56	Angiotensin II Inhibitors	138,596
59	Miscellaneous Analgesics	33,436
60	Narcotic Analgesics	125,473
61	Nonsteroidal Anti-Inflammatory Agents	403,952
62	Salicylates	2,109
63	Analgesic Combinations	52,617
68	Barbiturates	4,677
69	Benzodiazepines	290,585
70	Miscellaneous Anxiolytics, Sedatives And Hypnotics	165,304
71	CNS Stimulants	249,685
72	General Anesthetics	2
76	Miscellaneous Antidepressants	155,356
77	Miscellaneous Antipsychotic Agents	24,378
79	Psychotherapeutic Combinations	2,157
80	Miscellaneous Central Nervous System Agents	451
85	Miscellaneous Coagulation Modifiers	1,224
88	Antacids	107
89	Anticholinergics/Antispasmodics	44,040
90	Antidiarrheals	8,747
91	Digestive Enzymes	3,321
92	Gallstone Solubilizing Agents	3,283
93	GI Stimulants	18,701
94	H2 Antagonists	81,522
95	Laxatives	43,980
96	Miscellaneous GI Agents	21,890
Missing	Unknown	258,699

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 1.

MULTDC2

Multum Drug Category 2

Type: Character		Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency	
102	Contraceptives	45,316	
109	Local Injectable Anesthetics	26	
110	Miscellaneous Uncategorized Agents	11,947	

117	Minerals And Electrolytes	120
12	Miscellaneous Antibiotics	43,735
120	Vitamin And Mineral Combinations	82,822
123	Antihistamines	28,379
124	Antitussives	486
127	Decongestants	2
129	Miscellaneous Respiratory Agents	1,402
140	Miscellaneous Topical Agents	13,875
146	Mouth And Throat Products	13,450
15	Sulfonamides	53,431
158	Miscellaneous Diuretics	1
17	Urinary Anti-Infectives	7
174	Miscellaneous Antihyperlipidemic Agents	14,353
179	Skeletal Muscle Relaxant Combinations	90
18	Aminoglycosides	25
182	Androgens And Anabolic Steroids	81
185	Progestins	6,144
186	Sex Hormone Combinations	150,544
192	Antirheumatics	21,140
196	Phenothiazine Antiemetics	36,563
197	Anticholinergic Antiemetics	5,167
198	Miscellaneous Antiemetics	18,701
201	Barbiturate Anticonvulsants	4,591
203	Benzodiazepine Anticonvulsants	166,046
204	Miscellaneous Anticonvulsants	2,507
209	Tricyclic Antidepressants	4,981
210	Phenothiazine Antipsychotics	12,377
211	Platelet Aggregation Inhibitors	2,456
235	Polyenes	10,068
236	Azole Antifungals	2,476
238	Aminoquinolones	16,907
239	Miscellaneous Antimalarials	69,633
248	Topical Emollients	876
25	Miscellaneous Antineoplastics	586
253	Anorexiant	3,278
257	Monoclonal Antibodies	4
263	Impotence Agents	1,261
265	Urinary Ph Modifiers	4
266	Miscellaneous Genitourinary Tract Agents	2
268	Vaginal Anti-Infectives	65,809
269	Miscellaneous Vaginal Agents	19,894
272	Proton Pump Inhibitors	609
276	Dopaminergic Antiparkinsonism Agents	2,550
277	5-Aminosalicylates	4,866
286	Mydriatics	27
289	Antihyperuricemic Agents	25,145
290	Topical Antibiotics	6,604
292	Topical Antifungals	863
293	Glucose Elevating Agents	1,458
297	Mucolytics	201
301	Glucocorticoids	24,827
303	Agents For Pulmonary Hypertension	73,580
317	Antihyperlipidemic Combinations	1,476
320	smoking cessation agents	155,356
340	aldosterone receptor antagonists	17,096
53	Vasodilators	12,973

Missing	Unknown	12,807,316
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Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 2.

MULTDC3 Multum Drug Category 3		
Type: Character	Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency
180	Adrenergic Bronchodilators	13,874
185	Progestins	45,316
197	Anticholinergic Antiemetics	576
204	Miscellaneous Anticonvulsants	17
265	Urinary Ph Modifiers	97
270	Antipsoriatics	15,241
Missing	Unknown	13,991,389

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 3.

MULTDC4 Multum Drug Category 4		
Type: Character	Length: 3	Variable Source: Multum Lexicon
Value	Description	Frequency
205	Anticholinergic Antiparkinson Agents	576
Missing	Unknown	14,065,934

Notes: This variable contains the therapeutic/chemical category for the specific drug. Each drug belongs up to 4 categories. This is category no. 4.

NCPDP Pharmacy Number (NCPDP)		
Type: Character	Length: 7	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	9,142
Reported	Value Not Missing	14,057,368

Notes: This variable contains a 7-digit number assigned by National Council for prescription Drug program. This number identifies dispensing pharmacies. This variable is a unique identifier of a pharmacy. It is also used to identify mail-order pharmacy (see RF_MORDER) , chain indicator (see CHNIND), and pharmacy group (see PHARMGRP).

NDC National Drug Code (NDC-11 Chars)		
Type: Character	Length: 12	Variable Source: Payer-Submitted
Value	Description	Frequency
Reported	Value Not Missing	14,066,510

Notes: This variable contains the National Drug Code (NDC). The NDC is an 11-digit that identifies each marketed drug/product (including medical supplies). The first 5 numbers identify the manufacturer of a product. The second 4 numbers identify the product, and the last 2 numbers identify the package size of that product.

NDCLABL Labeler-Product Code(Chars 1-9 of NDC)		
Type: Character	Length: 9	Variable Source: Assigned
Value	Description	Frequency
Missing	Value Missing	81,394

Reported	Value Not Missing	13,985,116
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Notes: This variable contains the first 9 of the 11 digits of the NDC code. The first 5 numbers identify the manufacturer of a product and the second 4 numbers identify the product.

NDCPACK Package Code(Chars 10-11 of NDC)		
Type: Character	Length: 2	Variable Source: Assigned
Value	Description	Frequency
Missing	Value Missing	81,394
Reported	Value Not Missing	13,985,116

Notes: This variable contains the last 2 of the 11 digits of the NDC code or package code.

PATID Patient ID, Encrypted		
Type: Character	Length: 14	Variable Source: Assigned
Value	Description	Frequency
Reported	Value Not Missing	14,066,510

Notes: This variable represents the encrypted patient ID. The patient ID is assigned by a payer. Some payers assign the same patient ID to all members of a policy, making the ID not unique. For unique patient ID, see PIDBDG.

PIDBDG Unique Patient ID		
Type: Character	Length: 25	Variable Source: Assigned
Value	Description	Frequency
Reported	Value Not Missing	14,066,510

Notes: Some payers assign the same Patient ID to all members of a policy, making the ID not unique. PIDBDG is a unique patient identifier consisting of encrypted patient ID, Year of Birth, Month of Birth and Gender.

PNUM Payer Unique ID		
Type: Character	Length: 4	Variable Source: Assigned
Value	Description	Frequency
P020	Aetna Life & Health Insurance Co.	523,672
P030	Aetna U.S. Healthcare	1,134,490
P070	American Republic Insurance Co.	9,141
P130	CareFirst BlueChoice, Inc.	3,137,460
P131	CareFirst of Maryland, Inc.	1,812,251
P160	CIGNA Healthcare Mid-Atlantic, Inc.	876,241
P280	Assurant/Fortis Insurance Co.	7,980
P325	Graphic Arts Benefit Corporation	20,750
P330	Great-West Life & Annuity Insurance Co.	3,619
P350	Guardian Life Insurance Co. of America	160,245
P471	Unicare Life & Health Insurance Co.	103,672
P480	Kaiser Foundation Health Plan of Mid-Atlantic	1,430,717
P500	MAMSI Life and Health Insurance Co.	752,783
P510	Maryland Fidelity Insurance Co.	236,257
P520	MD-Individual Practice Association, Inc.	1,020,696
P530	MEGA Life & Health Insurance Co.	53,890
P620	Optimum Choice, Inc.	2,000,419
P680	Coventry Healthcare of Delaware, Inc.	168,502
P760	State Farm Mutual Automobile Insurance Co.	23,872
P820	United Healthcare Insurance Co.	483,772

P830	Trustmark Insurance Co.	704
P850	Union Labor Life Insurance Co.	28,745
P870	United Healthcare of the Mid-Atlantic, Inc.	76,632

Notes: This variable represents the payer's unique identifier. This identifier is assigned by MHCC.

R_NAGE1204

Patient Age as of 12/31/2004 (Not Rounded)

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	1,407,777
18 - 64	18 - 64	12,416,142
65 - 110	65 - 110	242,495
Missing	Missing	96

Notes: This variable represents the non-rounded age of a patient as of December 31, 2004. Ages calculated to be less than 0 or greater than 110 have been set to missing. For rounded age, see RAGE1204.

RAGE

Patient Age at Service

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	1,528,689
18 - 64	18 - 64	12,508,303
65 - 110	65 - 110	29,416
Missing	Missing	102

Notes: This variable represents the rounded age of a patient at the time of prescription fill-up. Ages calculated to be less than 0 or greater than 110 have been set to missing.

RAGE1204

Patient Age as of 12/31/2004

Type: Numeric Length: 3 Variable Source: Calculated		
Value	Description	Frequency
0 - 17	0 - 17	1,467,708
18 - 64	18 - 64	12,482,461
65 - 110	65 - 110	116,255
Missing	Missing	86

Notes: This variable represents the rounded age of a patient as of December 31, 2004. Ages calculated to be less than 0 or greater than 110 have been set to missing. For the non-rounded age, see R_NAGE1204.

RBILL

Billed Charge-BC (\$)

Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
> 500	> 500	179,091
0	0	62
101 - 500	101 - 500	3,069,396
26 - 50	26 - 50	2,536,096
39457	39457	2,446,650
39777	39777	2,224,755
51 - 100	51 - 100	3,610,460

Notes: Billed charge is the drug retail amount (including dispensing fees and administrative costs).

RBIRTHMO

Patient Birth Month		
Type: Character	Length: 2	Variable Source: Payer-Submitted
Value	Description	Frequency
01 thru 12	Month = 01-12	14,066,506
Other	Month = Other	4
Notes: This variable contains the patient's birth month.		

RBIRTHYR Patient Birth Year		
Type: Character	Length: 4	Variable Source: Payer-Submitted
Value	Description	Frequency
0	Year = 0000	4
1875	Year = 1875	3
1883	Year = 1883	2
1890-1942	Year = 1890-1942	836,326
1943-1989	Year = 1943-1989	12,040,557
1990-2006	Year = 1990-2006	1,189,541
9999	Year = 9999	77
Notes: This variable contains the patient's birth year.		

RCOVTYPE Coverage Type (From Encounter File)		
Type: Character	Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency
2	Individual Plan	350,551
3	Priv Employr Sponsord Fully Self-Insured	2,739,107
4	Private Employer Sponsored Insured	3,804,328
5	Public Employee	3,046,346
6	Comprehensive Std Health Benefit Plan	3,353,635
8	Taft Hartley Jointly Managed Trust Fund	25,050
9	Payer Code=9 (Unknown)	12,187
Missing	Unknown	735,306
Notes: This variable contains the patient's type of insurance coverage. This variable is copied from the encounter data after linking the two files by PIDBDG.		

RDELIVTYP Delivery System(From Encounter File)		
Type: Character	Length: 1	Variable Source: Payer-Submitted
Value	Description	Frequency
1	HMO (Non-Medicaid,Includes Medicare)	6,630,442
2	PPO-POS	2,742,649
3	PPO or Other Managed Care	2,292,006
4	Indemnity Care	308,964
5	HMO-POS Rider	1,353,144
9	Payer Code=9 (Not Coded)	3,999
Missing	Unknown	735,306
Notes: This variable contains the type of delivery system for rendering service. This variable is copied from the Encounter data after linking the two files by PIDBDG.		

RF_10K Flag for Payment > 10K		
Type: Character	Length: 1	Variable Source: Flag

Value	Description	Frequency
0	Payment <= 10K	14,066,510

Notes: This flag identifies payments over \$10,000.00 as outliers.

RF_ANAL

Analysis Flag(1-Analysis, 0-Exclude)

Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
1	Kept for Analysis	14,066,510

Notes: This flag identifies records kept for the prescription drug report. The flag was created to match the analysis flag used for the 2003 and 2005 prescription drug use and expenditure report. The following 11 criteria were used to exclude records from the analysis file (excluded records are identified by RF_ANAL= 0).

- 1) Exclude records not filled in current year (2004). These records are identified by RF_YR05=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2,3,4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.
- 10) Exclude records for patients that are 65 years old and older. These records are identified by RF_YR65=1.
- 11) Exclude records of patients covered by Medicare plans (Medicare Supplemental and Medicare+Choice). These records are identified by RF_COV17=1.

RF_COV17

Medicare Coverage Flag

Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Other Coverage Type	14,066,510

Notes: This flag identifies records with Medicare coverage type (type = 1 or 7).

RF_DBC

Debit/Credit Flag

Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No D/C pairs	13,995,889
2	Complete Duplicate Set	32,885
3	Partial Duplicate Set	15,320
4	Not D/C after Adj.	22,416

Notes: This flag identifies debit/credit, and duplicate records. Below is a brief explanation of how the flag is assigned. The flag RF_DBC for all records without duplicate fill (no similar prescription is filled the same day for the same patient) is set to 0. Over 99 percent of all the records have no debit/credit problems. The remaining records go through three passes. In the first pass, if two bills for the same patient, the same NDC, and the same fill date have positive and negative payments canceling each other, the flag RF_DBC is set to 1. Using the remaining non-flagged records in the first pass, if two records are complete duplicates, RF_DBC is set to 2 and if the records are partial duplicates, RF_DBC is set 3. In the last pass, all records without a flag in the second pass have their flag RF_DBC set to 4.

RF_DEA Deanum(1=Valid, 0=Other, 2=Blank)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Other	2,026,606
1	Valid	8,862,085
9	Missing	3,177,819
Notes: This flag identifies valid DEA Numbers. The validation matches payer's submitted DEA numbers with a look-up list of DEA numbers from the US Drug Enforcement Agency (DEA).		

RF_ELINK Pharmacy/Encounter Link Flag(1/0)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No Link	735,306
1	Link By PATID-DOB-SEX	13,331,204
Notes: This flag identifies pharmacy records that link with encounter records by PIDBDG.		

RF_FINMS All 3 Financial Vars=0/Missing (1/0)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No-All Financial Variables <> 0 or Missing	14,066,510
Notes: This flag identifies records with all financial variables equal 0 or missing.		

RF_MD Maryland Residency Indicator (1-MD, 0-non MD)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
1	MD	14,066,510
Notes: This flag identifies MD residents using the patient's ZIP Code. Any patient with at least one prescription service while residing in Maryland is regarded as a Maryland resident. Non-MD residents are excluded from the analysis file.		

RF_MEDSUP Medical Supply Indicator(0=No, 1=Yes)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Not a Medical Supply	13,814,746
1	Medical Supply	170,370
9	Unknown	81,394
Notes: This flag identifies medical supply NDCs. Medical supplies products include medical supplies, diagnostic supplies, and nutritional supplements.		

RF_MOANAL Mail Order Analysis Flag(1-Analysis, 0-Exclude)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
1	Used In Mailorder Analysis	14,066,510
Notes: This variables was created to identify records to be used in the 2004 Maintenance Drug Prescriptions Mail Order Purchase Study as mandated by Senate Bill 885. The mail-order analysis file is different from the regular analysis file		

because the latter includes the population over 64 years old as well as patients covered by Medicare plan. The following nine criteria were used to exclude records from the mail-order analysis file (excluded records are identified by RF_MOANAL= 0).

- 1) Exclude records not filled in current year (2004). These records are identified by RF_YR05=1.
- 2) Exclude records for Non-Maryland patients. These records are identified by RF_MD=0. If a patient is associated with at least one Maryland ZIP Code, the patient is considered a Maryland resident.
- 3) Exclude records with all financial variables missing or zero. These records are identified by RF_FINMS=1.
- 4) Exclude debit/credit record pairs - either two claims with same NDC code, same fill date, equal dollar amounts (one positive, one negative) or partial debit/credit pairs. These records are identified by RF_DBC=1.
- 5) Exclude records in duplicate sets where at least one of the bills is negative. These records are identified by RF_NDUP=1.
- 6) Exclude remaining records with negative payment. These records are identified by RF_PAYMD=1.
- 7) Exclude outlier records (claims with total payment > \$10,000). These records are identified by RF_10K=1.
- 8) Exclude records with invalid NDC codes (blank, 0s, and 9s). These records are identified by RF_NDC=2, 3, 4.
- 9) Exclude records with invalid patient IDs (blank, 0s, and 9s). These records are identified by RF_PATID=1.

RF_MORDER

Mail Order Flag(0=No, 1=Yes)

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Not Mail Order	13,509,503
1	Mail Order	557,007

Notes: This flag identifies prescription drugs filled through mail order. Payers were requested to provide a list of mail-order pharmacies (NCPDP number). All the numbers provided were compiled into a master list. The master list was used for all payers regardless of whether or not a payer included an NCPDP in the submitted list.

RF_NDC

NDC Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
0	Matches NDC	13,985,116
1	Not Match NDC	81,394

Notes: The flag identifies NDC codes that do not match with NDC's in the Multum lexicon database.

RF_NDRUG

New Drug Flag

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency
1	Branded, new	1,618,620
2	Branded, not new	5,792,947
3	Generic	6,396,244
4	Unknown	258,699

Notes: This flag identifies branded and generic drugs. Drugs are branded new if they were approved in last 4 years. Branded drug without known approval date are classified as branded, not new. The New Drug Flag is 4 either because it is unknown or the product is a medical supply.

RF_NDUP

Duplicate Set W/ at least One Neg. Bill

Type: Character Length: 1 Variable Source: Flag		
Value	Description	Frequency

0	Other	14,066,510
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Notes: This flag identifies duplicate sets with at least one member with negative bill charge.

RF_PATID Patient ID Flag		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Patid=OK	14,066,510

Notes: This flag identifies invalid patient ID.

RF_PAYMD Payment Category (1=<0,2=0,3=>0,4=-)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
2	Zero Payment	101,173
3	Positive Payment	13,965,337

Notes: This flag categorizes payment as negative, zero, positive or missing.

RF_PLINK Pharmacy/Provider Link Flag		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No Link	5,752,779
1	Link By DEANUM	8,313,680
2	Link By PROVID	51

Notes: This flag identifies pharmacy records that link with provider file. The pharmacy file is linked to the provider file to extract practitioner's specialty information.

RF_SELF Self Insurance Coverage Indicator		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Fully Insured Coverage Type	10,554,860
1	Self Insured Coverage Type	2,764,157
2	Other	747,493

Notes: This flag categorizes medical coverage into self insured and fully insured.

RF_YR05 Prescription Filled in 2004(1:>=05 0:<05)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	No - Service Provided in 2006	14,066,510

Notes: This flag identifies prescription services filled in 2005.

RF_YR65 Age 65+ Flag(0:<65, 1:>=65, 2:Missing)		
Type: Character	Length: 1	Variable Source: Flag
Value	Description	Frequency
0	Age <65	14,066,414
2	Age Missing	96

Notes: This flag identifies patients 65 years old and over. The flag is assigned based on the non rounded patient age as of 12/31/2004 (R_NAGE1204). Using rounded age puts 64.51-64.99 year-old patients into the 65+ age category.

RMSCAT

Medical Supply Category

Type: Character Length: 5 Variable Source: Assigned		
Value	Description	Frequency
10010	Bandages	1
10011	Wound Care Supplies	5
10012	Needles Syringes And Injection Supplies	39,103
10013	Blood Glucose Monitoring Supplies	123,088
10014	Urine Tests	420
10016	Nutritional Supplements	4
10017	Diaphragms	839
10020	Respiratory Therapy Supplies	6,234
10025	Bulk Compounding Chemicals	138
10026	Diagnostic Tests	86
10029	Administration Devices	86
10030	Medical Supplies	353
10032	Homeopathic Medication	13
Missing	Unknown	13,896,140

Notes: This variable contains the medical supply categories. The medical supply category is missing either because it is unknown or the product is a prescription drug.

RN_ZIP_S

Adjusted Pharmacy Zip Code (Using NACDS data)

Type: Character Length: 5 Variable Source: NACDS+Payer-Sub		
Value	Description	Frequency
Missing	Value Missing	149,434
Reported	Value Not Missing	13,917,076

Notes: This variable represents Adjusted Pharmacy Zip Code. NACDS data were used to fill in the pharmacy ZIP Codes where the payer did not provide the field value. About 2 percent of all records with missing pharmacy ZIP Codes were filled using NACDS data. For the payer submitted pharmacy zip code, see RZIP_S.

RPATLIAB

Patient Liability-PL (\$)

Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
> 500	> 500	865
0-Jan	0-Jan	206,821
101 - 500	101 - 500	58,282
10-Jan	10-Jan	6,405,592
26 - 50	26 - 50	2,272,276
39777	39777	4,709,786
51 - 100	51 - 100	412,888

Notes: This variable contains the amount that the patient is required to pay for a prescription service (i.e. coinsurance, co-payments, and deductibles).

RPATZIP

Patient Residence ZIP Code

Type: Character Length: 5 Variable Source: Payer-Submitted		
Value	Description	Frequency

Reported	Value Not Missing	14,066,510
Notes: This variable contains the ZIP Code of patient's residence.		

RPAYMENT Payment = Sum(RA,PL)		
Type: Numeric	Length: 8	Variable Source: Calculated
Value	Description	Frequency
> 500	> 500	157,211
0	0	101,173
101 - 500	101 - 500	2,736,349
10-Jan	10-Jan	2,830,472
25-Nov	25-Nov	2,296,025
26 - 50	26 - 50	2,435,825
51 - 100	51 - 100	3,509,455
Notes: This variable contains the total amount paid for a prescription. Payment is the sum of patient liability and reimbursement amount.		

RPHARMCTY Pharmacy County		
Type: Character	Length: 3	Variable Source: Assigned
Value	Description	Frequency
1	Allegany	127,831
11	Caroline	67,509
13	Carroll	410,066
15	Cecil	153,733
17	Charles	353,658
19	Dorchester	74,074
21	Frederick	769,653
23	Garrett	50,332
25	Harford	584,937
27	Howard	701,279
29	Kent	68,469
3	Anne Arundel	1,231,092
31	Montgomery	2,526,954
33	Prince George	1,946,315
35	Queen Annes	122,352
37	Saint Marys	236,010
39	Somerset	21,722
41	Talbot	122,360
43	Washington	328,644
45	Wicomico	194,343
47	Worcester	123,974
5	Baltimore	1,763,423
510	Baltimore City	700,541
9	Calvert	264,632
999	Missing/Unknown	1,122,607
Notes: This variable represents the Maryland county in which a pharmacy is located. The Missing/Unknown category includes non-MD pharmacies.		

RPHARMGRP Pharmacy Group		
Type: Character	Length: 1	Variable Source: Assigned
Value	Description	Frequency

1	Chain	5,363,489
2	Independent	2,942,664
3	Super Market/Mass Market	4,652,247
4	Mail Order	557,007
9	Other-Non MD	551,103

Notes: This variable represents the pharmacy group category. The categorization is done by grouping one or more chain indicators based on MHCC specifications.

RREIMB **Reimbursement Amount-RA (\$)**

Type: Numeric Length: 8 Variable Source: Payer-Submitted		
Value	Description	Frequency
< 0	< 0	125
> 500	> 500	141,823
0	0	3,565,484
101 - 500	101 - 500	2,012,119
10-Jan	10-Jan	1,998,098
25-Nov	25-Nov	1,744,380
26 - 50	26 - 50	2,159,347
51 - 100	51 - 100	2,445,134

Notes: This variable contains the amount paid to the pharmacy by a payer.

RSCRIPT **Number of Adjusted or 30-day Script**

Type: Character Length: 3 Variable Source: Calculated		
Value	Description	Frequency
1	Drugspl <= 30	11,299,077
2	30 < Drugspl <= 60	825,508
3	Drugspl > 60	1,941,925

Notes: This variable represents the number of adjusted 30-day scripts or normalized scripts. Any drug supply of less or equal to 30 counts as one 1 script. Any drug supply between 31 and 60 days counts as two scripts and any supply over 60 days counts as 3 scripts.

RSEX **Patient Sex**

Type: Character Length: 1 Variable Source: Payer-Submitted		
Value	Description	Frequency
1	Male	5,468,315
2	Female	8,591,154
3	Payer Code=3 (Not Coded)	7,041

Notes: This variable contains the sex of patient.

RSPECL1 **Practitioner/Supplier Specialty-1**

Type: Character Length: 3 Variable Source: Payer-Submitted		
Value	Description	Frequency
1	General Practice	44,497
10	Gastroenterology	144,623
100	Neonatology	308
101	Multi-Specialty Medical Practice	548,156
102	Mental Health Clinic	154
11	Geriatrics	1,245

12	Hand Surgery	1,086
13	Hematology	17,559
14	Internal Medicine	2,253,876
15	Infectious Disease	21,335
16	Nephrology	35,326
17	Neurology	130,475
18	Nuclear Medicine	242
19	Oncology	34,014
2	General Surgery	53,337
20	Ophthalmology	55,391
21	Orthopedic Surgery	120,385
22	Osteopathy (include manipulations)	77
23	Otology/Laryngo/Rhino/Otolaryngo	85,183
24	Pathology	434
25	Pediatrics	588,700
26	Peripheral Vascular Disease/Surgery	14
27	Plastic Surgery	19,098
28	Physical Medicine & Rehabilitation	42,096
29	Proctology	1
3	Allergy & Immunology	92,484
30	Psychiatry	370,042
31	Pulmonary Disease	44,685
32	Radiology	10,053
33	Rheumatology	75,510
34	Surgical Specialty Not Listed Here	33,787
35	Thoracic Surgery	2,475
36	Urology	64,194
37	Misc Special (pub health/indusl med)	1,618
38	Physician w/o Identfd Spec/Not Listd	19,899
39	Obstetrics/Gynecology	608,576
4	Anesthesiology	18,025
40	Acupuncturist	324
41	Alcohol/Drug Detox Services	3
44	Chiropractor	147
5	Cardiology	184,081
50	Advanced Practice Nurse: Midwife	8,867
51	Advancd Practice Nurse: Nurse Practitioner	72,885
52	Advd Practice Nurse: Psychotherapist	23
53	Nurse Other than Advanced Practice	1,086
55	Optometrist	290
56	Podiatrist	37,232
57	Physical Therapist	2
58	Psychologist	1,228
59	Clinical Social Worker	10
6	Dermatology	172,621
62	Other Specialty Not Listed Above	664
7	Emergency Medicine	46,836
70	General Dentist	91,869
71	Endodontist	8,719
72	Orthodontist	322
73	Oral Surgeon	27,370
74	Pedodontist	3,423
75	Periodontist	11,509
76	Prosthodontist	177
8	Endocrinology Medicine	103,939
80	Freestanding Pharmacy incl grocery	282,741

84	Optician/Optometrst	8
9	Family Practice	1,718,395
Missing	Value Missing	5,752,779

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RSPECL2

Practitioner/Supplier Specialty-2

Type: Character		Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	General Practice	182,387	
10	Gastroenterology	20,066	
100	Neonatology	2,144	
101	Multi-Specialty Medical Practice	2,401	
102	Mental Health Clinic	74	
11	Geriatrics	67,880	
12	Hand Surgery	6,712	
13	Hematology	23,525	
14	Internal Medicine	448,839	
15	Infectious Disease	39,923	
16	Nephrology	39,656	
17	Neurology	16,874	
18	Nuclear Medicine	2,580	
19	Oncology	18,198	
2	General Surgery	26,755	
20	Ophthalmology	518	
21	Orthopedic Surgery	6,793	
22	Osteopathy (include manipulations)	2,612	
23	Otology/Laryngo/Rhino/Otolaryngo	1,459	
24	Pathology	6,644	
25	Pediatrics	134,437	
26	Peripheral Vascular Disease/Surgery	1,996	
27	Plastic Surgery	4,460	
28	Physical Medicine & Rehabilitation	1,961	
29	Proctology	3,779	
3	Allergy & Immunology	12,934	
30	Psychiatry	10,100	
31	Pulmonary Disease	39,791	
32	Radiology	3,628	
33	Rheumatology	10,796	
34	Surgical Specialty Not Listed Here	32,765	
35	Thoracic Surgery	5,488	
36	Urology	1,157	
37	Misc Special (pub health/indusl med)	23,600	
38	Physician w/o Identfd Spec/Not Listd	310,109	
39	Obstetrics/Gynecology	29,537	
4	Anesthesiology	3,688	
40	Acupuncturist	11,126	
41	Alcohol/Drug Detox Services	867	
45	Freestanding Clinic-Not a Govt Agency	2,096	
5	Cardiology	22,037	
50	Advanced Practice Nurse: Midwife	2,021	
51	Advancd Practice Nurse: Nurse Practitioner	19,267	
53	Nurse Other than Advanced Practice	1,612	

54	Occupational Therapist	540
55	Optometrist	4,869
56	Podiatrist	815
57	Physical Therapist	816
58	Psychologist	109,813
59	Clinical Social Worker	974
6	Dermatology	1,115
62	Other Specialty Not Listed Above	15,642
7	Emergency Medicine	26,363
70	General Dentist	9,221
71	Endodontist	12,120
72	Orthodontist	97
73	Oral Surgeon	4,845
74	Pedodontist	296
75	Periodontist	634
8	Endocrinology Medicine	33,404
80	Freestanding Pharmacy incl grocery	1,818,487
82	Independent Laboratory	7
84	Optician/Optometrist	36
9	Family Practice	297,544
90	Freestanding Medical Facility	4,128
91	Freestanding Surgical Facility	213
93	Other Facility	147
Missing	Value Missing	10,119,092

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RSPECL3

Practitioner/Supplier Specialty-3

Type: Character		Length: 3	Variable Source: Payer-Submitted
Value	Description	Frequency	
1	General Practice	15,951	
10	Gastroenterology	110	
100	Neonatology	98	
101	Multi-Specialty Medical Practice	17,050	
11	Geriatrics	4,803	
12	Hand Surgery	108	
13	Hematology	1,878	
14	Internal Medicine	165,412	
15	Infectious Disease	754	
16	Nephrology	982	
17	Neurology	3,724	
18	Nuclear Medicine	218	
19	Oncology	6,581	
2	General Surgery	3,037	
20	Ophthalmology	786	
21	Orthopedic Surgery	16,638	
23	Otology/Laryngo/Rhino/Otolaryngo	669	
24	Pathology	4,896	
25	Pediatrics	25,180	
26	Peripheral Vascular Disease/Surgery	1,742	
27	Plastic Surgery	123	
29	Proctology	742	
3	Allergy & Immunology	1,254	

30	Psychiatry	5,629
31	Pulmonary Disease	588
32	Radiology	1,132
33	Rheumatology	1
34	Surgical Specialty Not Listed Here	6,826
35	Thoracic Surgery	3,880
36	Urology	331
37	Misc Special (pub health/indusl med)	982
38	Physician w/o Identfd Spec/Not Listd	139,791
39	Obstetrics/Gynecology	15,906
4	Anesthesiology	1,412
40	Acupuncturist	1,660
41	Alcohol/Drug Detox Services	134
47	Dietitian/Licensed Nutritionist	112
5	Cardiology	2,926
50	Advanced Practice Nurse: Midwife	36
51	Advancd Practice Nurse: Nurse Practitioner	1,108
53	Nurse Other than Advanced Practice	1,001
54	Occupational Therapist	340
55	Optometrist	31
56	Podiatrist	882
57	Physical Therapist	177
58	Psychologist	13,473
59	Clinical Social Worker	297
62	Other Specialty Not Listed Above	5,902
7	Emergency Medicine	9,387
70	General Dentist	4,262
71	Endodontist	18,780
73	Oral Surgeon	1,222
80	Freestanding Pharmacy incl grocery	480,498
82	Independent Laboratory	392
9	Family Practice	31,078
90	Freestanding Medical Facility	1,491
92	Freestanding Imaging Center	99
Missing	Value Missing	13,042,008

Notes: This variable contains the practitioner specialty i.e. the health care field in which a physician, a licensed healthcare professional, dental practitioner, or office facility has been certified. This variable is extracted after linking the Pharmacy file to the Encounter file.

RZIP_S Pharmacy ZIP Code		
Type: Character	Length: 5	Variable Source: Payer-Submitted
Value	Description	Frequency
Missing	Value Missing	875,705
Reported	Value Not Missing	13,190,805

Notes: This variable contains the ZIP Code of pharmacy where prescription was dispensed.